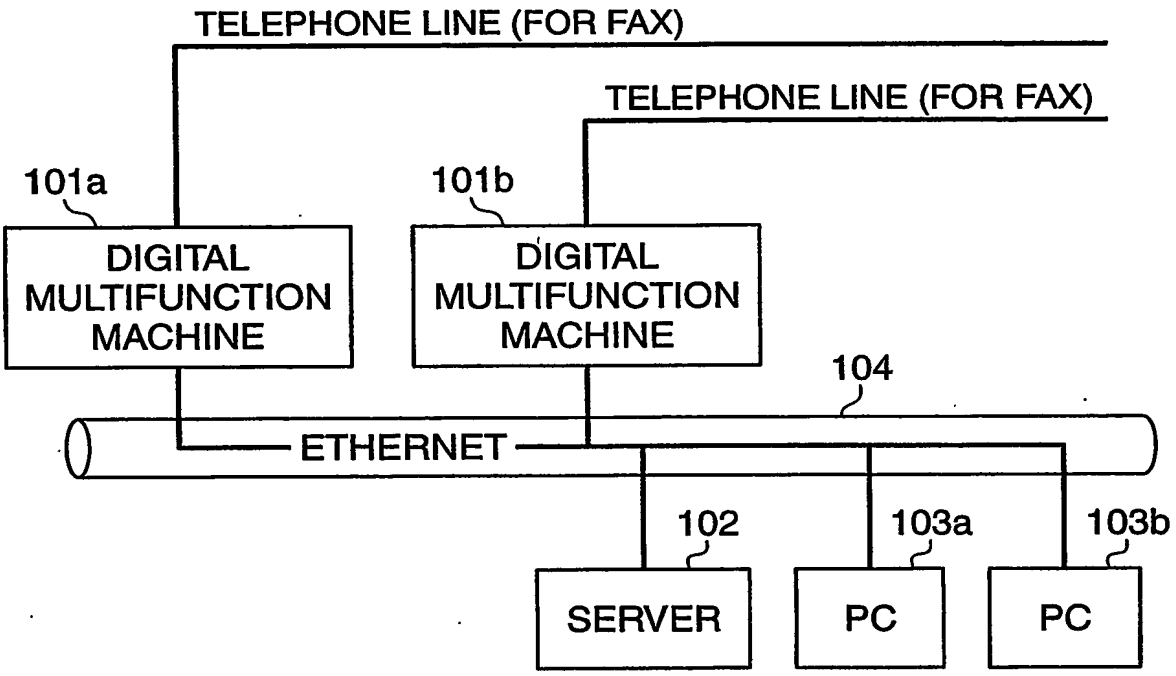
FIG. 1


TELEPHONE LINE (FOR FAX)
TELEPHONE LINE (FOR FAX)
101a
101b
DIGITAL MULTIFUNCTION MACHINE
DIGITAL MULTIFUNCTION MACHINE
104
ETHERNET
102
103a
103b
SERVER
PC
PC

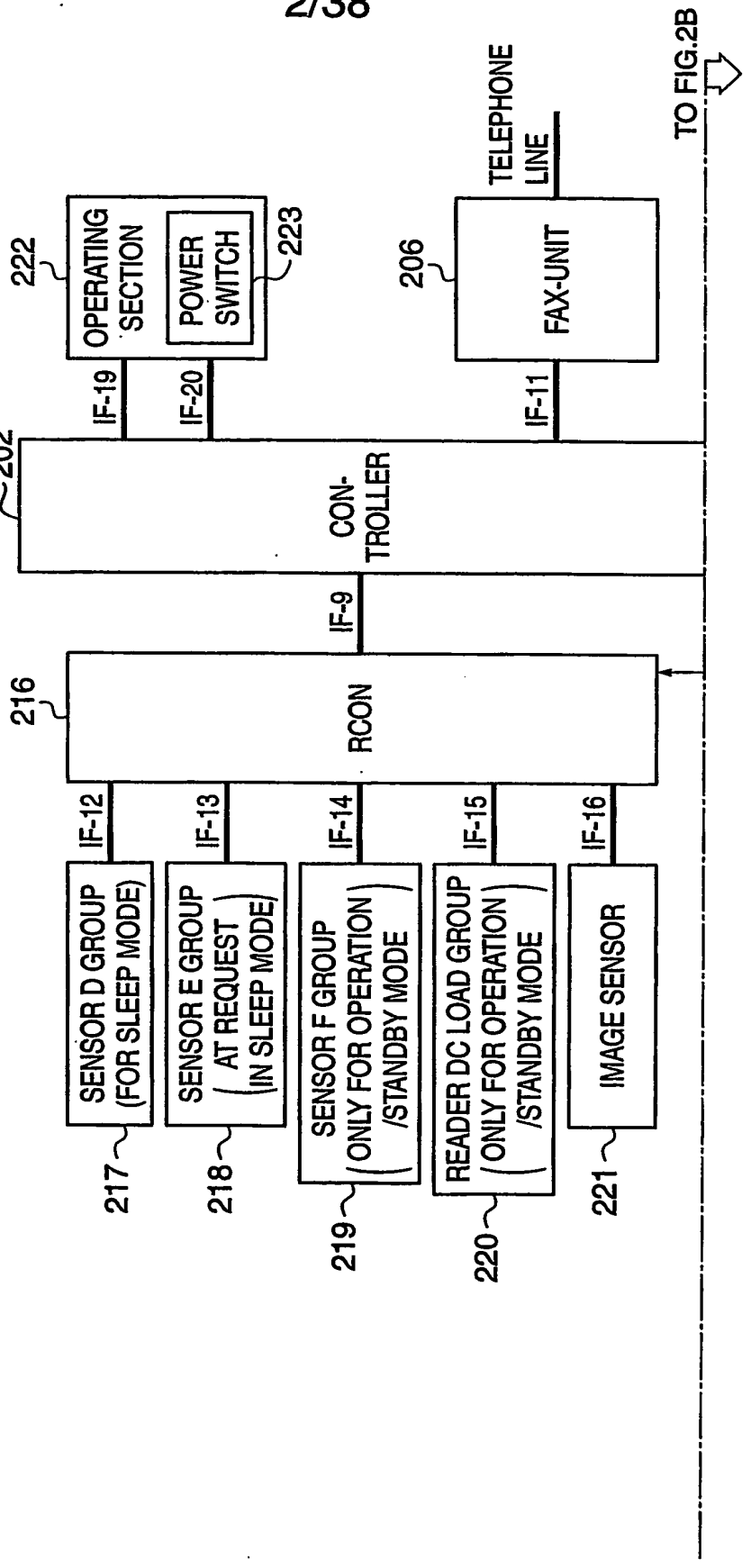

TO FIG.2B
TELEPHONE LINE
222
OPERATING SECTION
POWER SWITCH
223
206
FAX-UNIT
IF-19
IF-20
IF-11
202
CON-TROLLER
IF-9
216
RCON
IF-12
IF-13
IF-14
IF-15
IF-16
SENSOR D GROUP (FOR SLEEP MODE)
SENSOR E GROUP (AT REQUEST IN SLEEP MODE)
SENSOR F GROUP (ONLY FOR OPERATION /STANDBY MODE
READER DC LOAD GROUP (ONLY FOR OPERATION /STANDBY MODE
IMAGE SENSOR
217
218
219
220
221

FIG. 2A

FIG. 2B

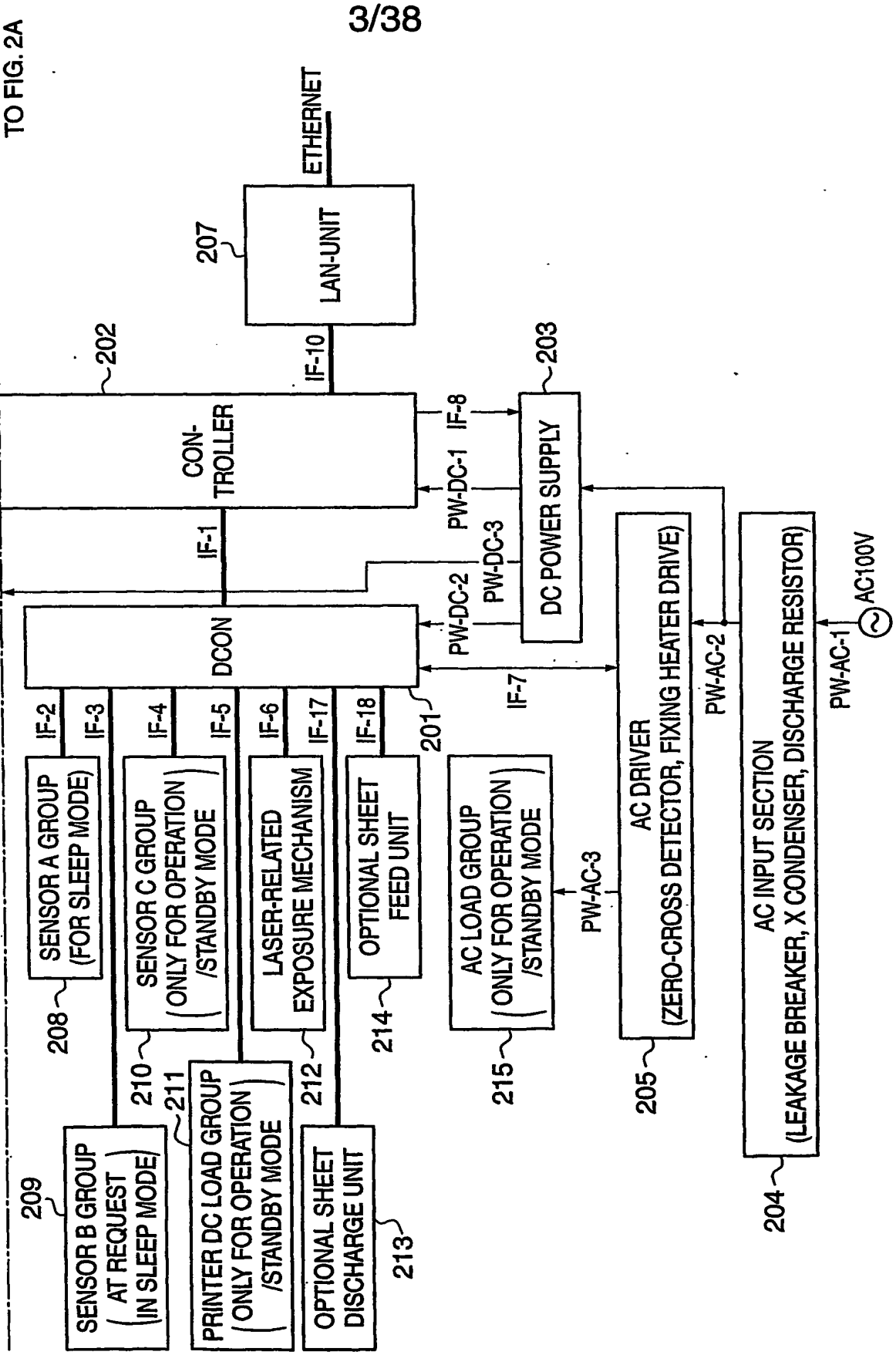

TO FIG. 2A
ETHERNET
207
LAN-UNIT
202
CON-TROLLER
IF-10
IF-8
203
DC POWER SUPPLY
PW-DC-1
IF-1
PW-DC-3
PW-DC-2
DCON
201
IF-7
AC DRIVER
(ZERO-CROSS DETECTOR, FIXING HEATER DRIVE)
205
PW-AC-2
AC INPUT SECTION
(LEAKAGE BREAKER, X CONDENSER, DISCHARGE RESISTOR)
204
PW-AC-1
AC100V
IF-2
IF-3
IF-4
IF-5
IF-6
IF-17
IF-18
SENSOR A GROUP
(FOR SLEEP MODE)
208
SENSOR C GROUP
(ONLY FOR OPERATION
/STANDBY MODE
210
LASER-RELATED
EXPOSURE MECHANISM
212
OPTIONAL SHEET
FEED UNIT
214
AC LOAD GROUP
(ONLY FOR OPERATION
/STANDBY MODE
215
PW-AC-3
209
SENSOR B GROUP
(AT REQUEST
IN SLEEP MODE)
211
PRINTER DC LOAD GROUP
(ONLY FOR OPERATION
/STANDBY MODE
OPTIONAL SHEET
DISCHARGE UNIT
213

FIG. 3A

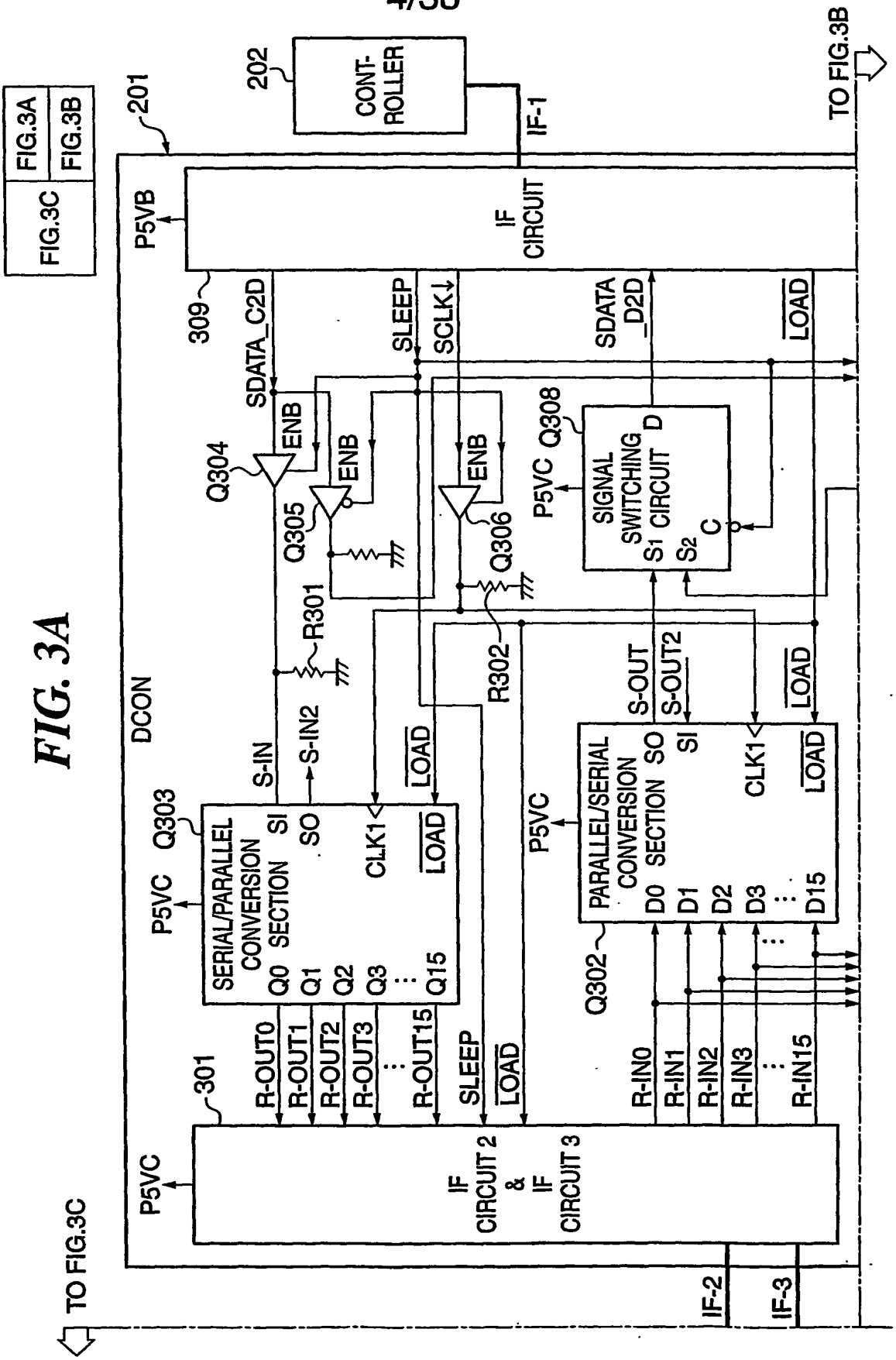


FIG.3A
FIG.3B
FIG.3C
TO FIG.3B
TO FIG.3C
DCON
201
202
CONT-ROLLER
IF-1
IF CIRCUIT
P5VB
309
SDATA_C2D
SLEEP
SCLK
SDATA_D2D
LOAD
Q304
Q305
Q306
Q308
ENB
P5VC
SIGNAL SWITCHING CIRCUIT
S1
S2
C
D
R301
R302
S-IN
S-IN2
Q303
SERIAL/PARALLEL CONVERSION SECTION
SI
SO
CLK1
Q0
Q1
Q2
Q3
Q15
S-OUT
S-OUT2
PARALLEL/SERIAL CONVERSION SECTION
D0
D1
D2
D3
D15
Q302
R-OUT0
R-OUT1
R-OUT2
R-OUT3
R-OUT15
R-IN0
R-IN1
R-IN2
R-IN3
R-IN15
301
IF CIRCUIT 2 & IF CIRCUIT 3
IF-2
IF-3

FIG. 3B

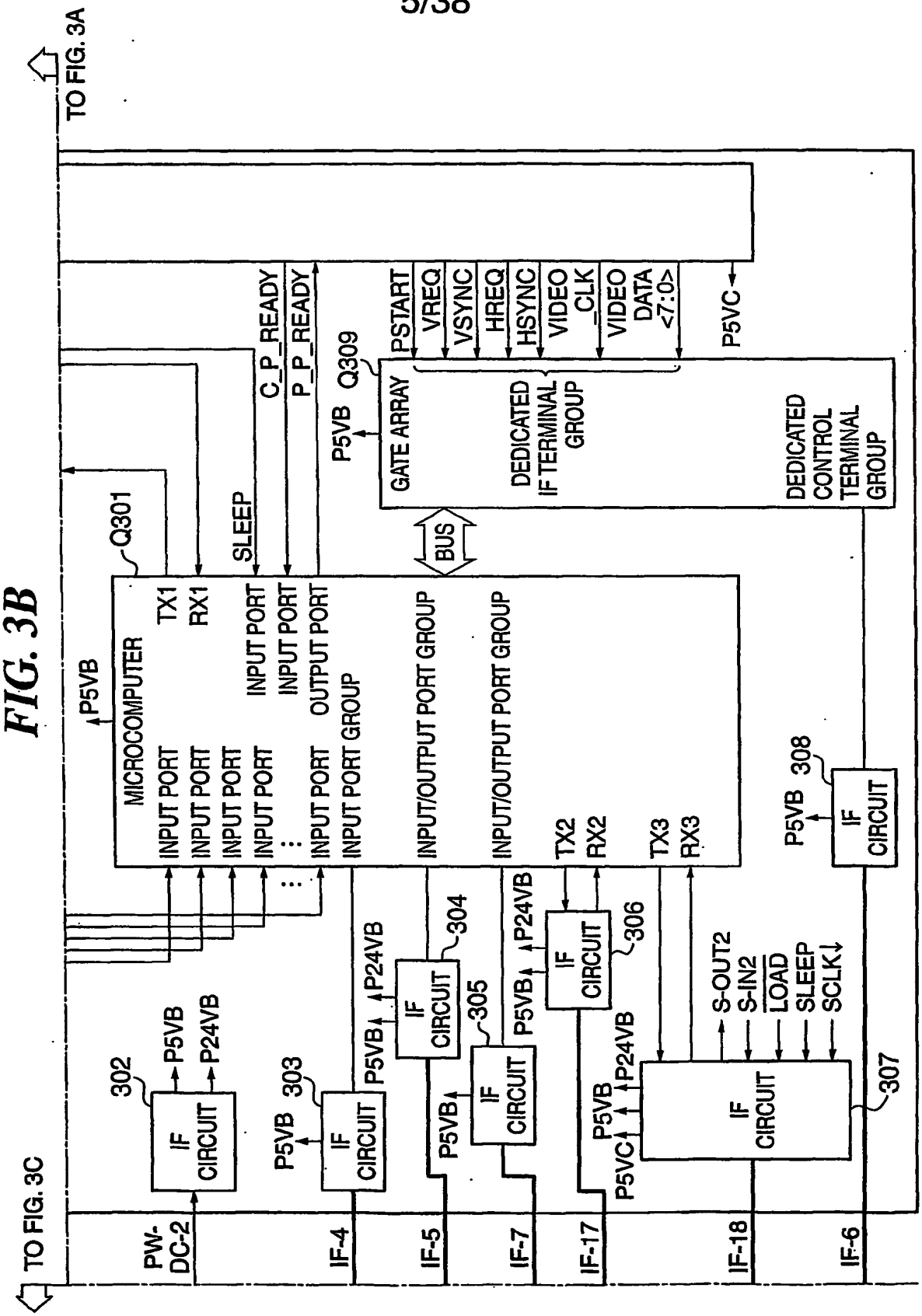

TO FIG. 3A
TO FIG. 3C
MICROCOMPUTER
Q301
P5VB
TX1
RX1
SLEEP
C_P_READY
P_P_READY
INPUT PORT
INPUT PORT
OUTPUT PORT
INPUT PORT GROUP
INPUT PORT
INPUT PORT
INPUT PORT
INPUT PORT
INPUT PORT
INPUT/OUTPUT PORT GROUP
INPUT/OUTPUT PORT GROUP
BUS
GATE ARRAY
Q309
P5VB
PSTART
VREQ
VSYNC
HREQ
HSYNC
VIDEO _CLK
VIDEO DATA <7:0>
P5VC
DEDICATED IF TERMINAL GROUP
DEDICATED CONTROL TERMINAL GROUP
TX2
RX2
TX3
RX3
P5VB
308
IF CIRCUIT
302
P5VB
P24VB
IF CIRCUIT
303
P5VB
P5VB
P24VB
IF CIRCUIT
304
P5VB
P24VB
IF CIRCUIT
305
P5VB
IF CIRCUIT
306
P5VC
P5VB
P24VB
S-OUT2
S-IN2
LOAD
SLEEP
SCLK
IF CIRCUIT
307
PW-DC-2
IF-4
IF-5
IF-7
IF-17
IF-18
IF-6

FIG. 3C

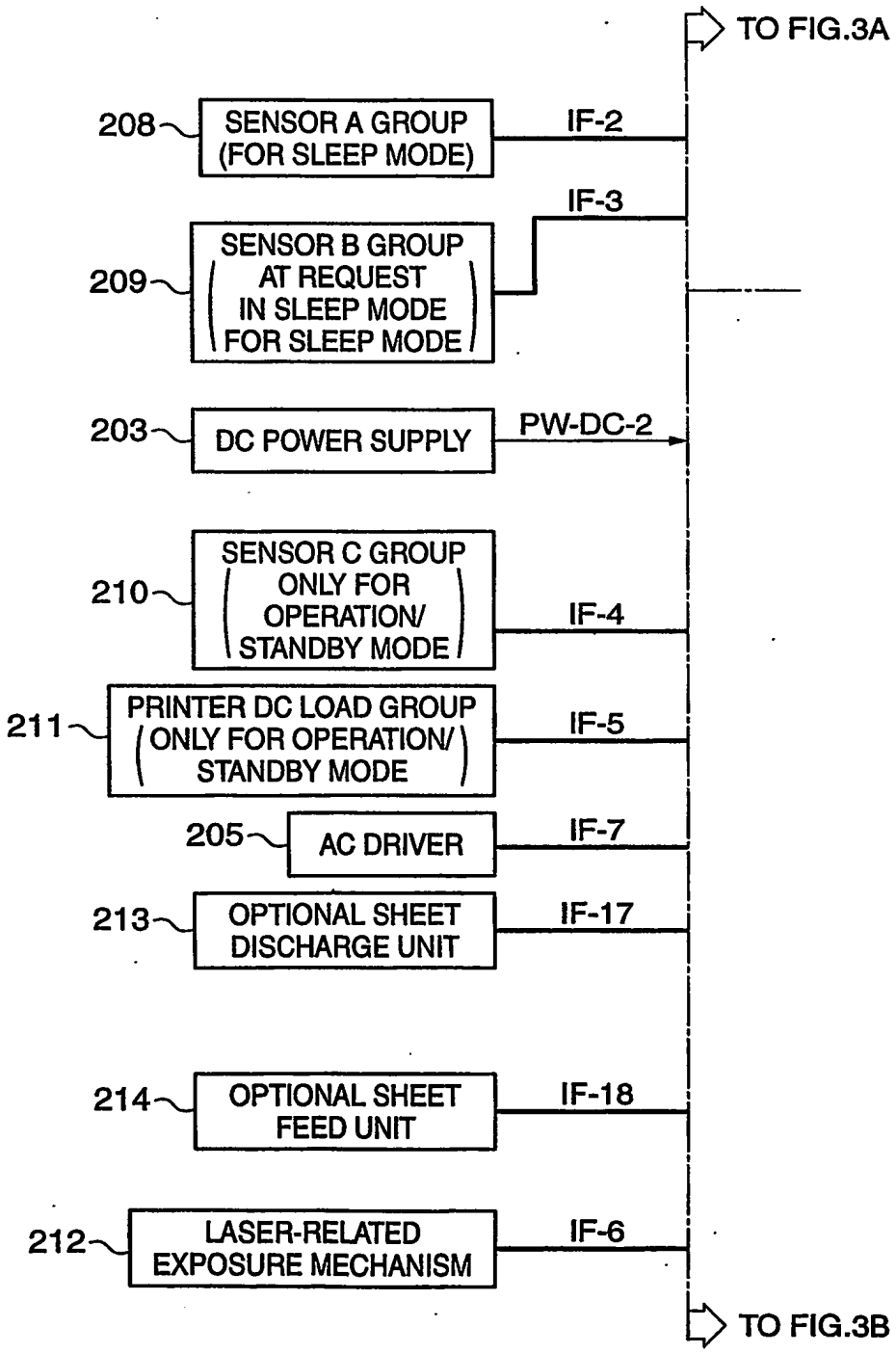

TO FIG.3A
208
SENSOR A GROUP (FOR SLEEP MODE)
IF-2
IF-3
209
SENSOR B GROUP AT REQUEST IN SLEEP MODE FOR SLEEP MODE
203
DC POWER SUPPLY
PW-DC-2
210
SENSOR C GROUP ONLY FOR OPERATION/ STANDBY MODE
IF-4
211
PRINTER DC LOAD GROUP (ONLY FOR OPERATION/ STANDBY MODE
IF-5
205
AC DRIVER
IF-7
213
OPTIONAL SHEET DISCHARGE UNIT
IF-17
214
OPTIONAL SHEET FEED UNIT
IF-18
212
LASER-RELATED EXPOSURE MECHANISM
IF-6
TO FIG.3B

FIG. 4

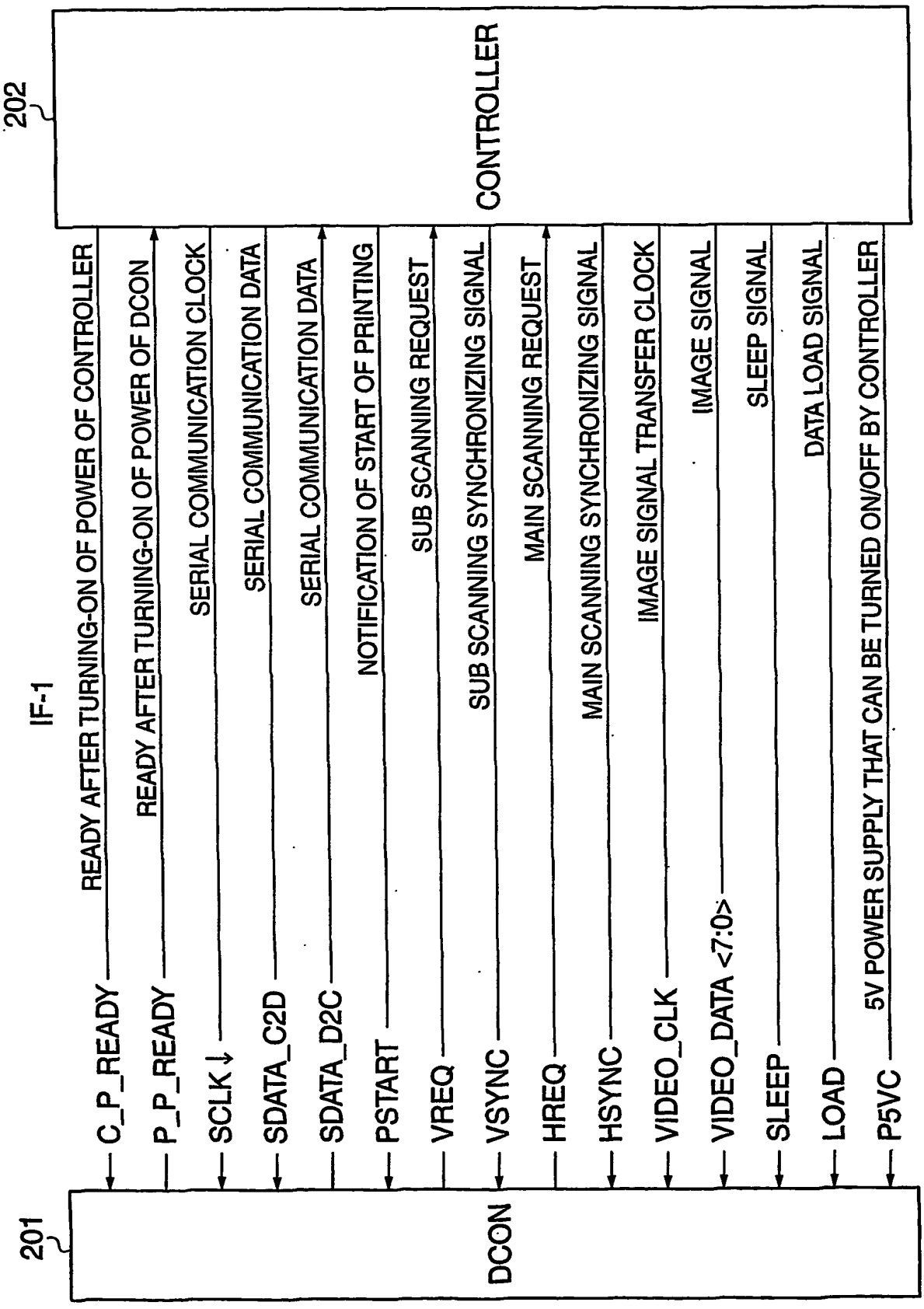

IF-1
201
DCON
202
CONTROLLER
C_P_READY
READY AFTER TURNING-ON OF POWER OF CONTROLLER
P_P_READY
READY AFTER TURNING-ON OF POWER OF DCON
SCLK↓
SERIAL COMMUNICATION CLOCK
SDATA_C2D
SERIAL COMMUNICATION DATA
SDATA_D2C
SERIAL COMMUNICATION DATA
PSTART
NOTIFICATION OF START OF PRINTING
VREQ
SUB SCANNING REQUEST
VSYNC
SUB SCANNING SYNCHRONIZING SIGNAL
HREQ
MAIN SCANNING REQUEST
HSYNC
MAIN SCANNING SYNCHRONIZING SIGNAL
VIDEO_CLK
IMAGE SIGNAL TRANSFER CLOCK
VIDEO_DATA <7:0>
IMAGE SIGNAL
SLEEP
SLEEP SIGNAL
LOAD
DATA LOAD SIGNAL
P5VC
5V POWER SUPPLY THAT CAN BE TURNED ON/OFF BY CONTROLLER

FIG. 5

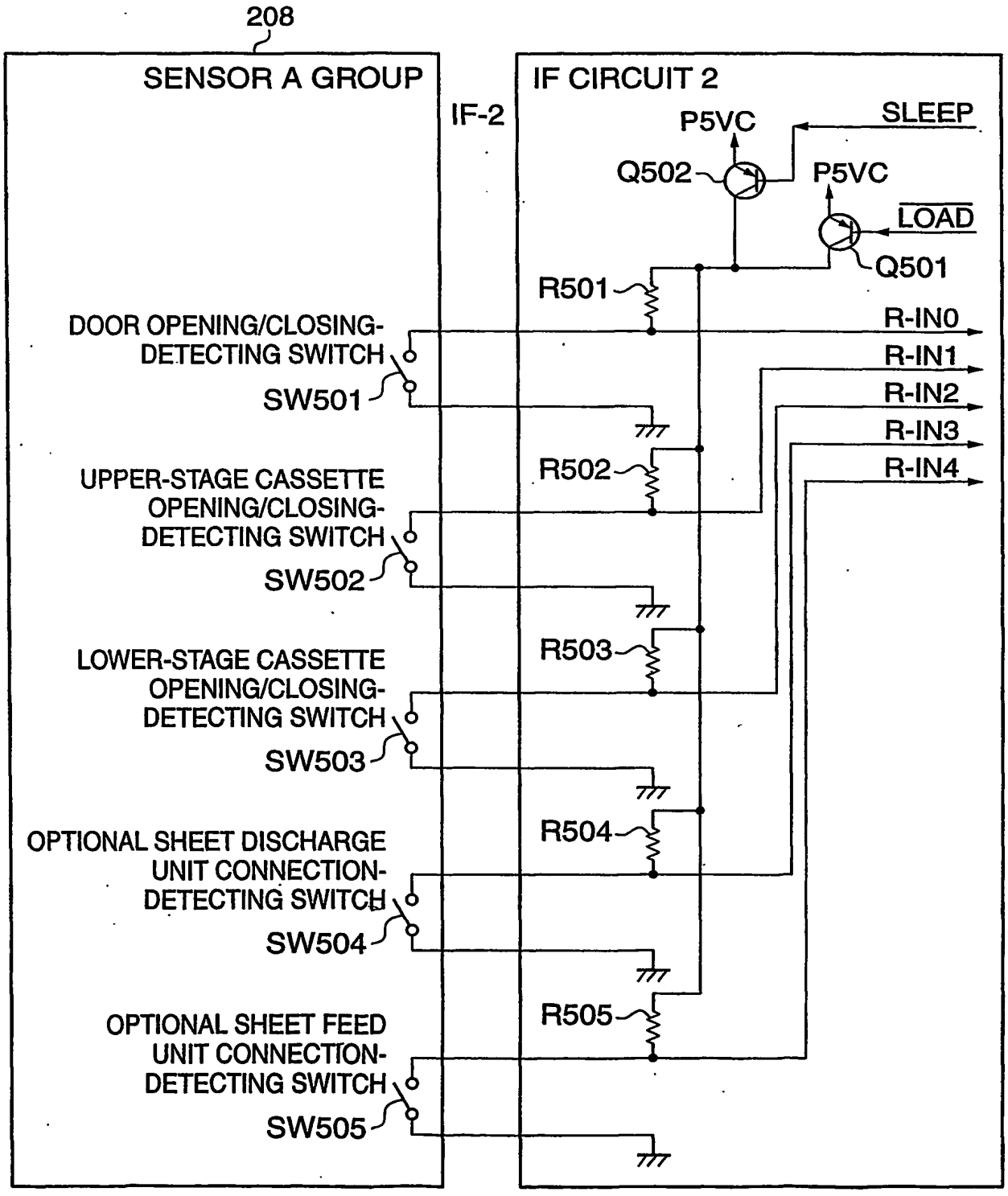

208
SENSOR A GROUP
IF-2
IF CIRCUIT 2
P5VC
SLEEP
Q502
P5VC
LOAD
Q501
R501
R-IN0
DOOR OPENING/CLOSING-DETECTING SWITCH
SW501
R-IN1
R-IN2
R-IN3
R-IN4
R502
UPPER-STAGE CASSETTE OPENING/CLOSING-DETECTING SWITCH
SW502
R503
LOWER-STAGE CASSETTE OPENING/CLOSING-DETECTING SWITCH
SW503
R504
OPTIONAL SHEET DISCHARGE UNIT CONNECTION-DETECTING SWITCH
SW504
R505
OPTIONAL SHEET FEED UNIT CONNECTION-DETECTING SWITCH
SW505

FIG. 6A

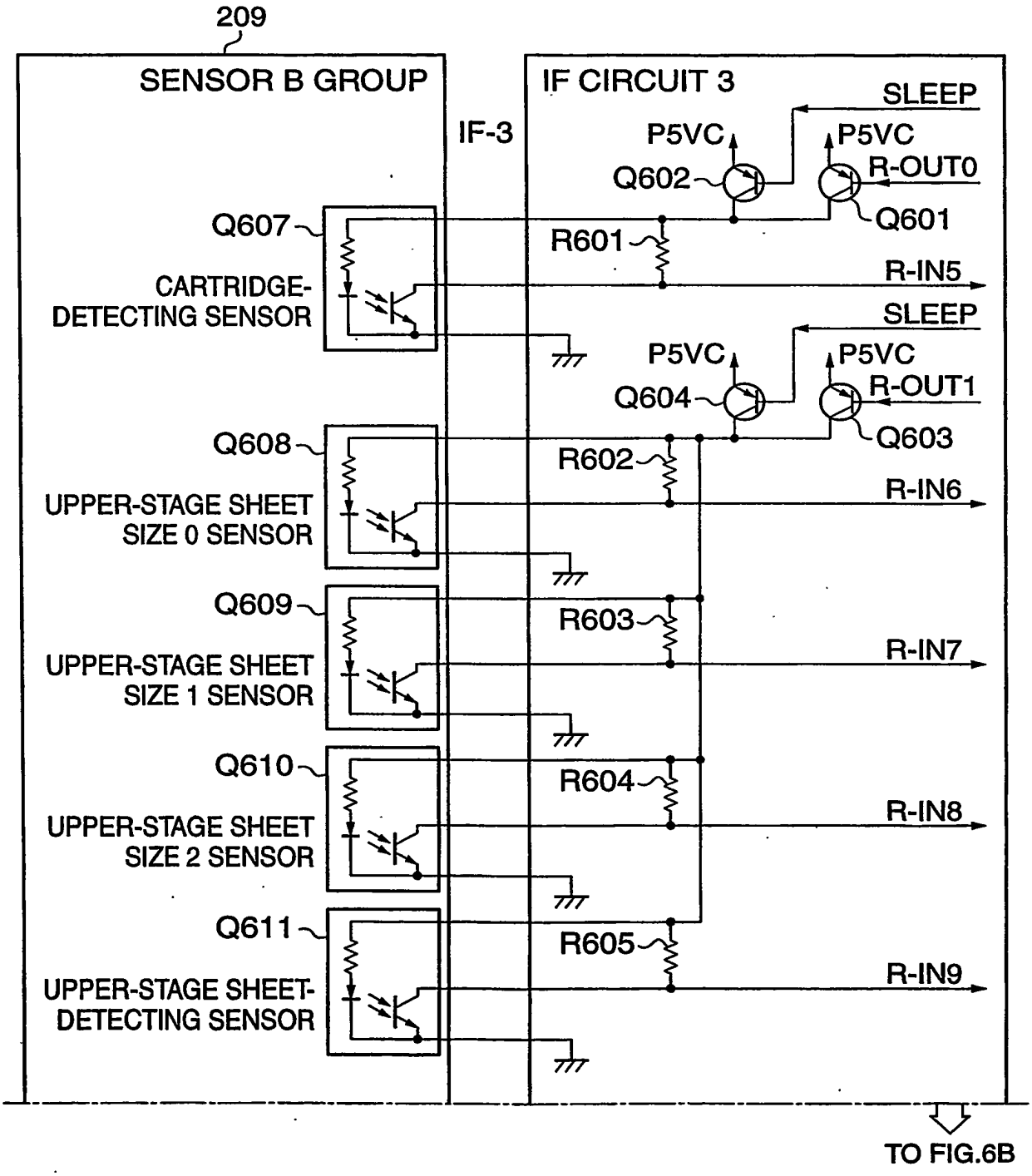

209
SENSOR B GROUP
IF-3
IF CIRCUIT 3
SLEEP
P5VC
P5VC
R-OUT0
Q602
Q601
Q607
R601
R-IN5
CARTRIDGE-DETECTING SENSOR
SLEEP
P5VC
P5VC
R-OUT1
Q604
Q603
Q608
R602
R-IN6
UPPER-STAGE SHEET SIZE 0 SENSOR
Q609
R603
R-IN7
UPPER-STAGE SHEET SIZE 1 SENSOR
Q610
R604
R-IN8
UPPER-STAGE SHEET SIZE 2 SENSOR
Q611
R605
R-IN9
UPPER-STAGE SHEET-DETECTING SENSOR
TO FIG.6B

FIG. 6B

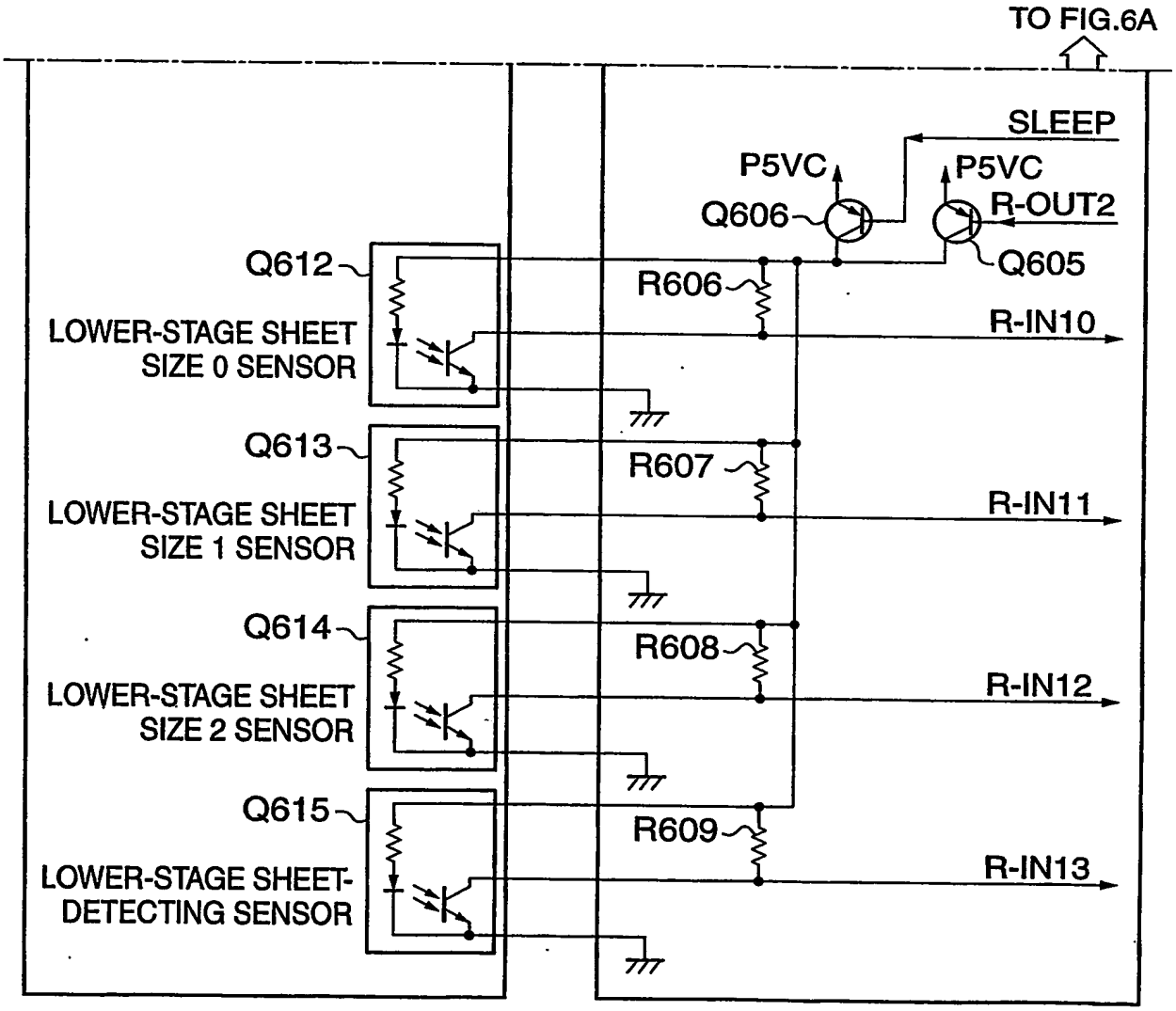

TO FIG.6A
SLEEP
P5VC
P5VC
R-OUT2
Q606
Q605
Q612
R606
R-IN10
LOWER-STAGE SHEET SIZE 0 SENSOR
Q613
R607
R-IN11
LOWER-STAGE SHEET SIZE 1 SENSOR
Q614
R608
R-IN12
LOWER-STAGE SHEET SIZE 2 SENSOR
Q615
R609
R-IN13
LOWER-STAGE SHEET-DETECTING SENSOR

FIG. 7

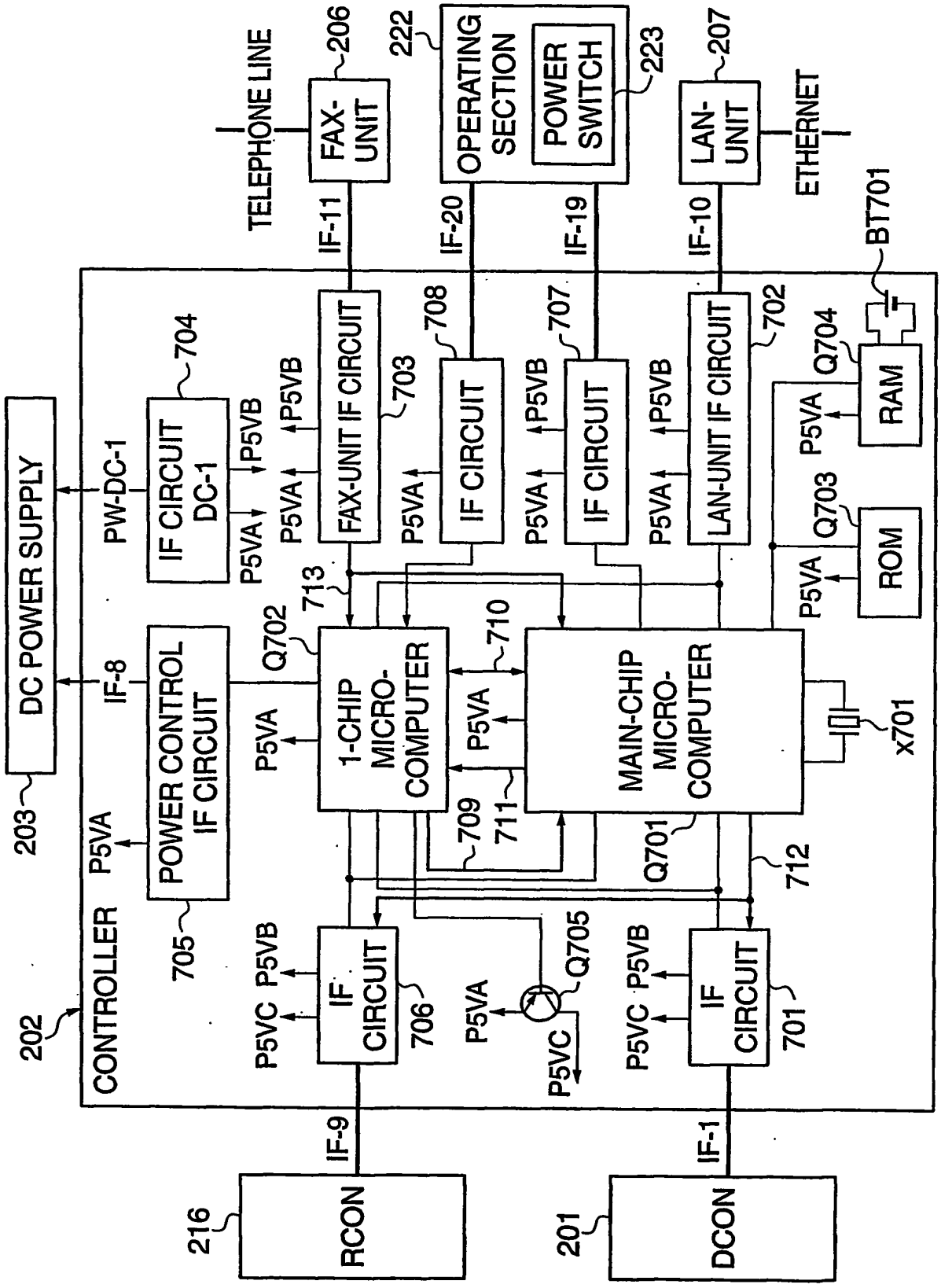

TELEPHONE LINE
206
FAX-UNIT
222
OPERATING SECTION
POWER SWITCH
223
207
LAN-UNIT
ETHERNET
BT701
IF-11
IF-20
IF-19
IF-10
DC POWER SUPPLY
203
PW-DC-1
IF CIRCUIT DC-1
704
P5VB
P5VA
FAX-UNIT IF CIRCUIT
703
708
IF CIRCUIT
707
IF CIRCUIT
LAN-UNIT IF CIRCUIT
702
Q704
RAM
Q703
ROM
713
IF-8
POWER CONTROL IF CIRCUIT
Q702
1-CHIP MICRO-COMPUTER
710
MAIN-CHIP MICRO-COMPUTER
x701
709
711
Q701
712
705
P5VC
IF CIRCUIT
706
Q705
701
CONTROLLER
202
IF-9
IF-1
216
RCON
201
DCON

FIG. 8A

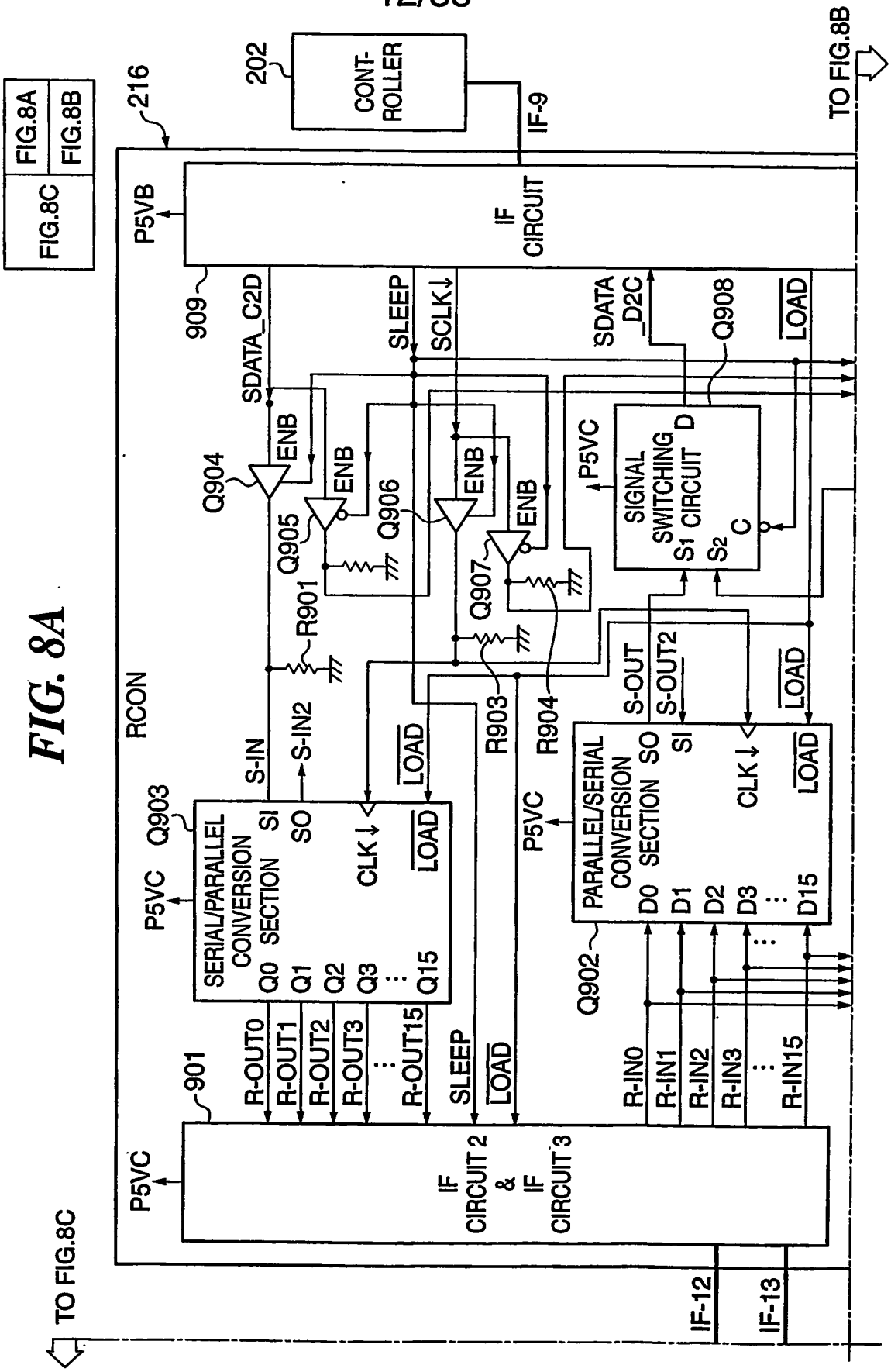


FIG.8A
FIG.8B
FIG.8C
202
CONT-ROLLER
IF-9
TO FIG.8B
216
P5VB
IF CIRCUIT
909
SDATA_C2D
SLEEP
SCLK↓
SDATA_D2C
Q908
LOAD
Q904
ENB
Q905
Q906
Q907
R901
P5VC
SIGNAL SWITCHING CIRCUIT
D
C
S1
S2
RCON
S-IN
S-IN2
R903
R904
S-OUT
S-OUT2
Q903
SERIAL/PARALLEL CONVERSION SECTION
SI
SO
CLK↓
Q0
Q1
Q2
Q3
Q15
PARALLEL/SERIAL CONVERSION SECTION
D0
D1
D2
D3
D15
Q902
R-OUT0
R-OUT1
R-OUT2
R-OUT3
R-OUT15
R-IN0
R-IN1
R-IN2
R-IN3
R-IN15
901
IF CIRCUIT 2 & IF CIRCUIT 3
TO FIG.8C
IF-12
IF-13

FIG. 8B

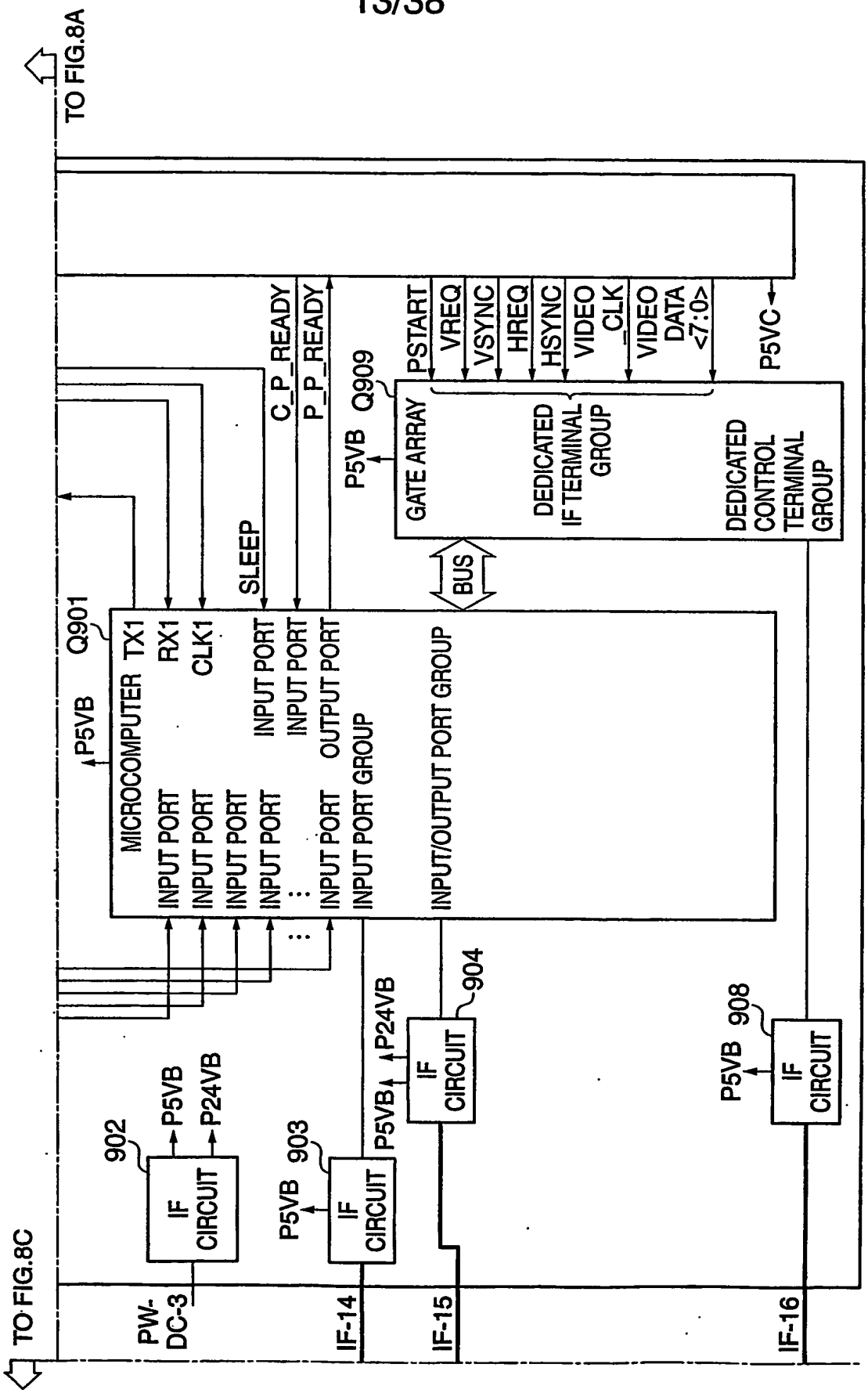

TO FIG.8A
TO FIG.8C
MICROCOMPUTER
Q901
P5VB
TX1
RX1
CLK1
SLEEP
C_P_READY
P_P_READY
INPUT PORT
INPUT PORT
INPUT PORT
INPUT PORT
INPUT PORT
OUTPUT PORT
INPUT PORT GROUP
INPUT/OUTPUT PORT GROUP
BUS
GATE ARRAY
Q909
P5VB
PSTART
VREQ
VSYNC
HREQ
HSYNC
VIDEO _CLK
VIDEO DATA <7:0>
P5VC
DEDICATED IF TERMINAL GROUP
DEDICATED CONTROL TERMINAL GROUP
902
P5VB
P24VB
IF CIRCUIT
903
P5VB
IF CIRCUIT
P5VB
P24VB
IF CIRCUIT
904
P5VB
908
IF CIRCUIT
PW-DC-3
IF-14
IF-15
IF-16

FIG. 8C

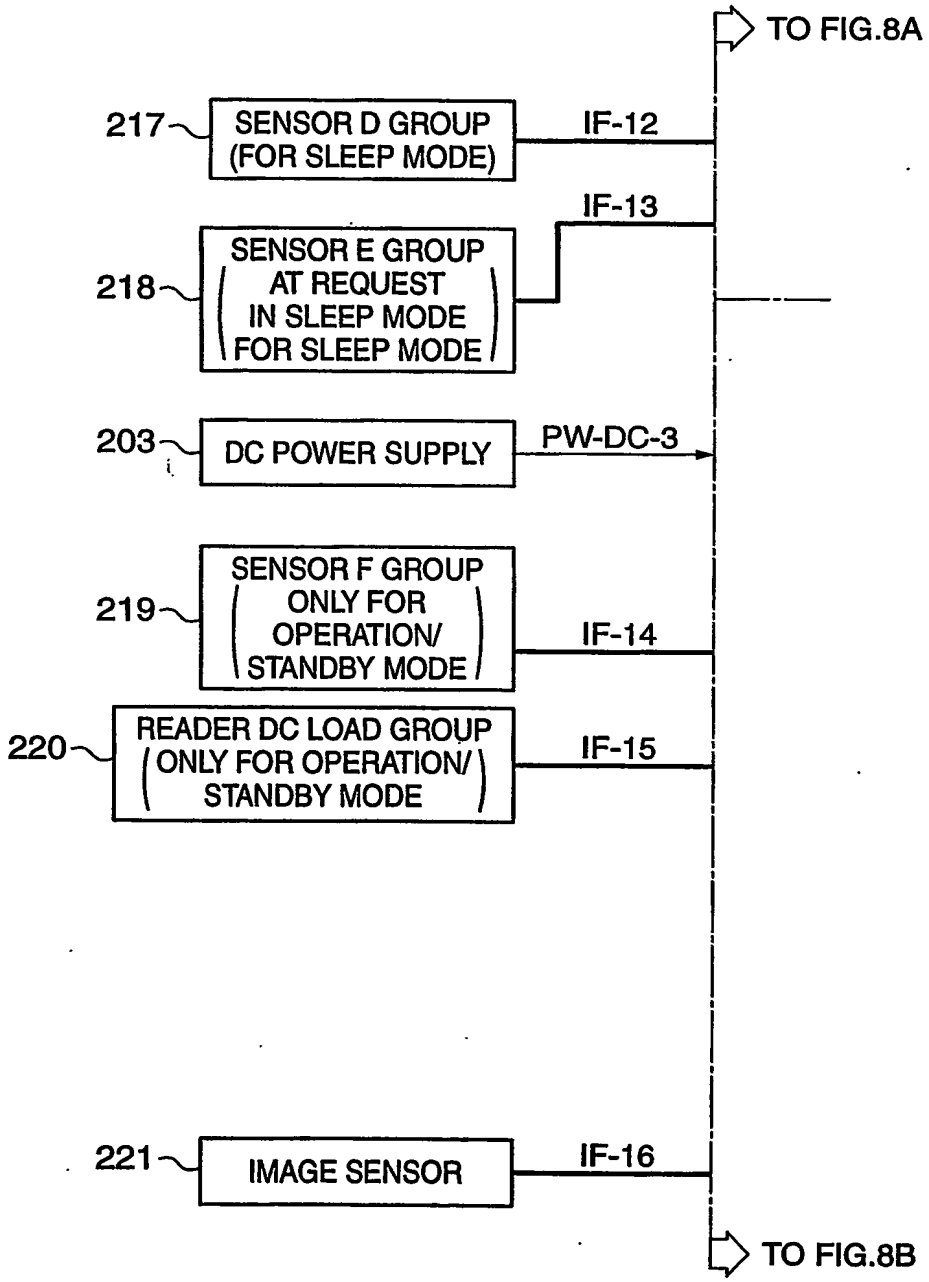

TO FIG.8A
217
SENSOR D GROUP (FOR SLEEP MODE)
IF-12
IF-13
218
SENSOR E GROUP AT REQUEST IN SLEEP MODE FOR SLEEP MODE
203
DC POWER SUPPLY
PW-DC-3
219
SENSOR F GROUP ONLY FOR OPERATION/ STANDBY MODE
IF-14
220
READER DC LOAD GROUP (ONLY FOR OPERATION/ STANDBY MODE
IF-15
221
IMAGE SENSOR
IF-16
TO FIG.8B

FIG. 9

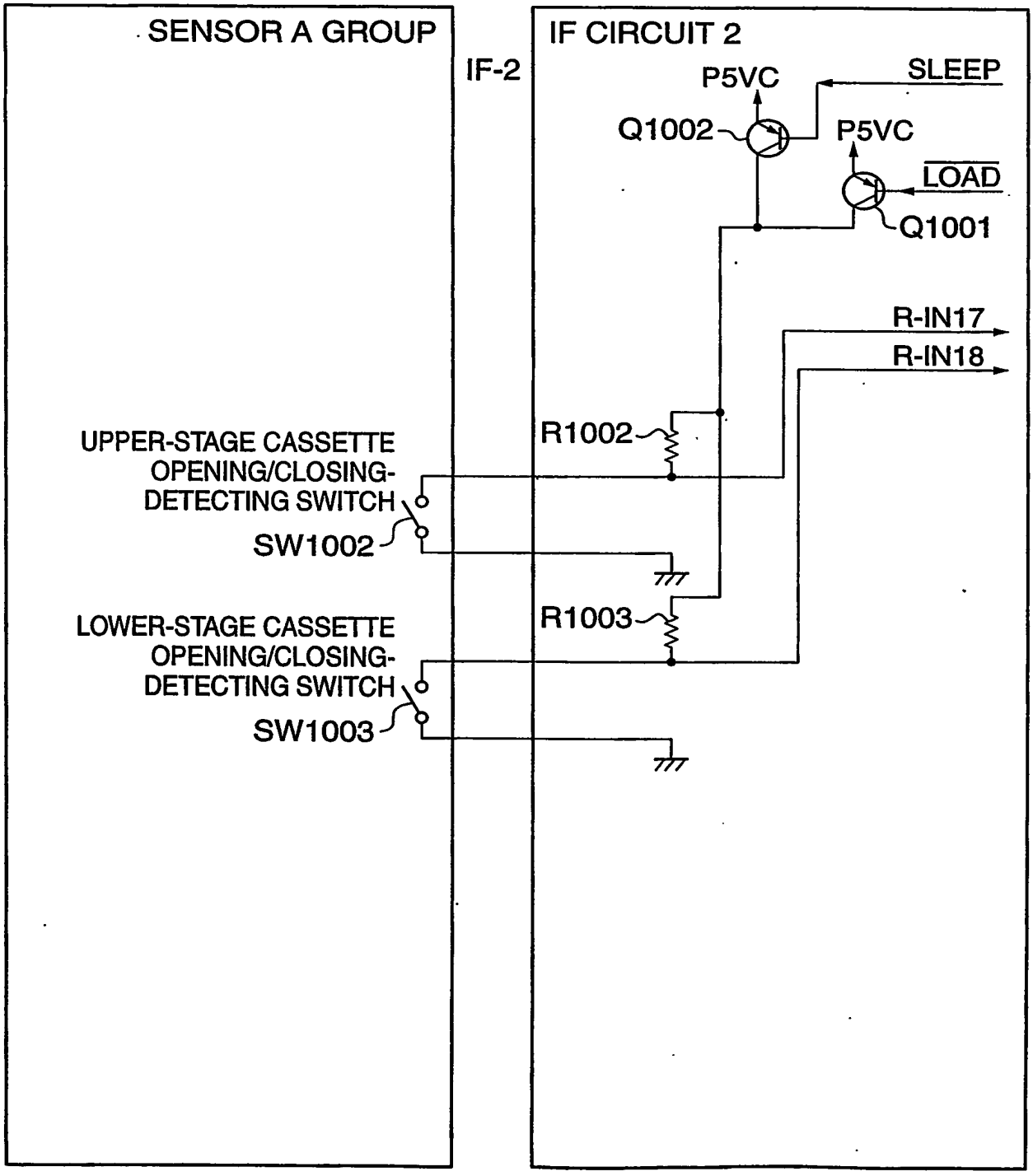

SENSOR A GROUP
IF-2
IF CIRCUIT 2
P5VC
SLEEP
Q1002
P5VC
LOAD
Q1001
R-IN17
R-IN18
R1002
UPPER-STAGE CASSETTE OPENING/CLOSING-DETECTING SWITCH
SW1002
R1003
LOWER-STAGE CASSETTE OPENING/CLOSING-DETECTING SWITCH
SW1003

FIG. 10A

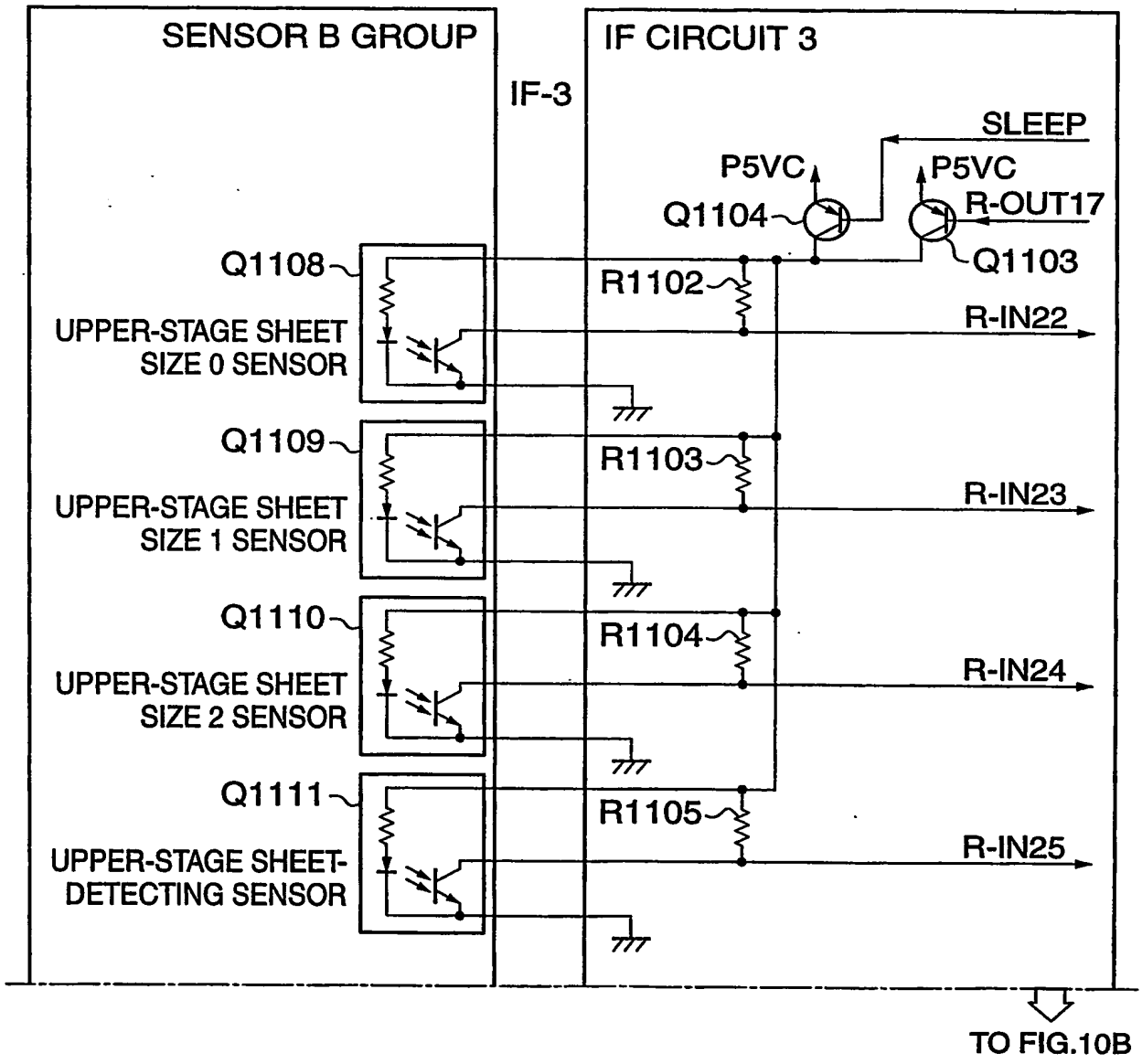

SENSOR B GROUP
IF-3
IF CIRCUIT 3
SLEEP
P5VC
P5VC
R-OUT17
Q1104
Q1103
Q1108
R1102
R-IN22
UPPER-STAGE SHEET SIZE 0 SENSOR
Q1109
R1103
R-IN23
UPPER-STAGE SHEET SIZE 1 SENSOR
Q1110
R1104
R-IN24
UPPER-STAGE SHEET SIZE 2 SENSOR
Q1111
R1105
R-IN25
UPPER-STAGE SHEET-DETECTING SENSOR
TO FIG.10B

FIG. 10B

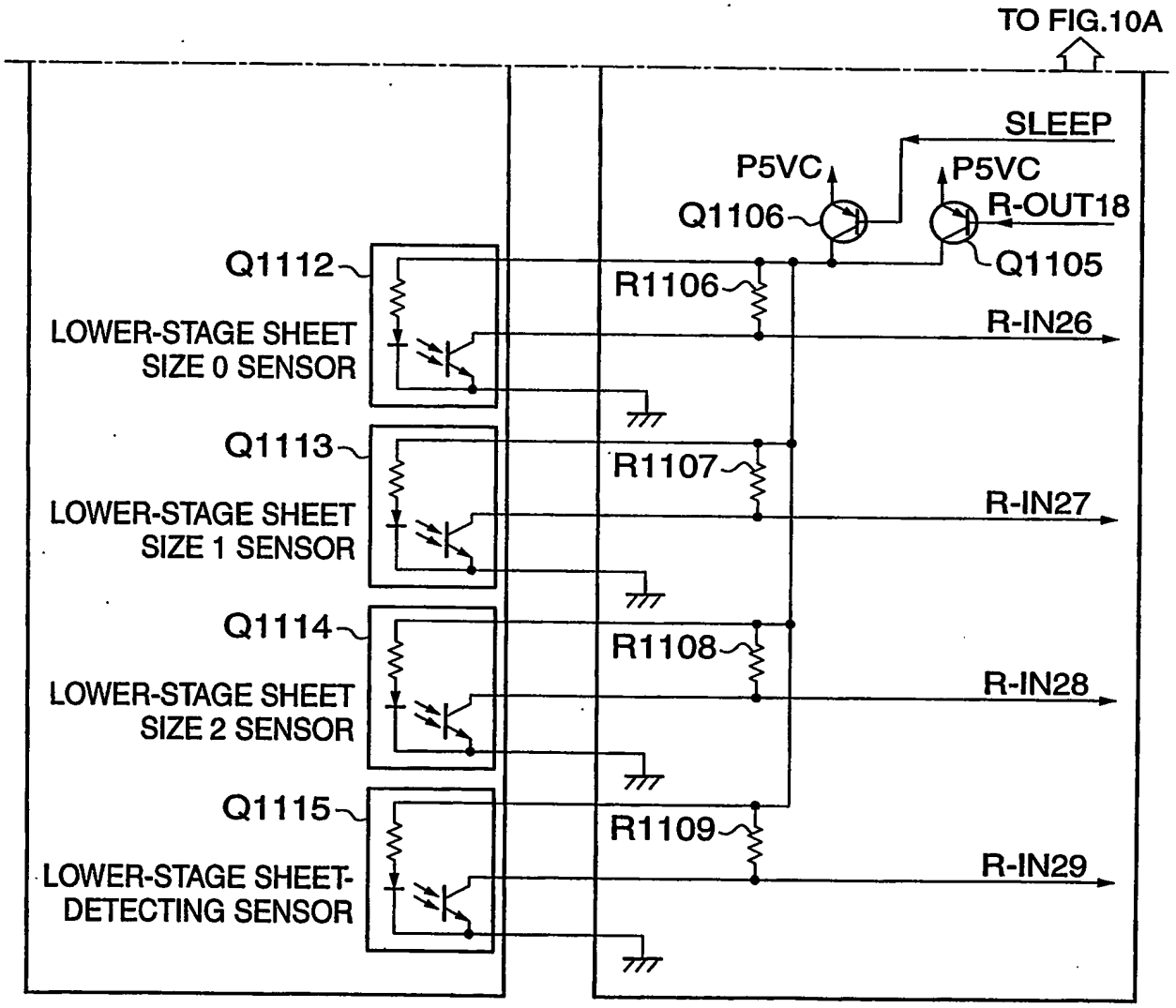

TO FIG.10A
SLEEP
P5VC
P5VC
R-OUT18
Q1106
Q1105
Q1112
R1106
R-IN26
LOWER-STAGE SHEET SIZE 0 SENSOR
Q1113
R1107
R-IN27
LOWER-STAGE SHEET SIZE 1 SENSOR
Q1114
R1108
R-IN28
LOWER-STAGE SHEET SIZE 2 SENSOR
Q1115
R1109
R-IN29
LOWER-STAGE SHEET-DETECTING SENSOR

FIG. 11

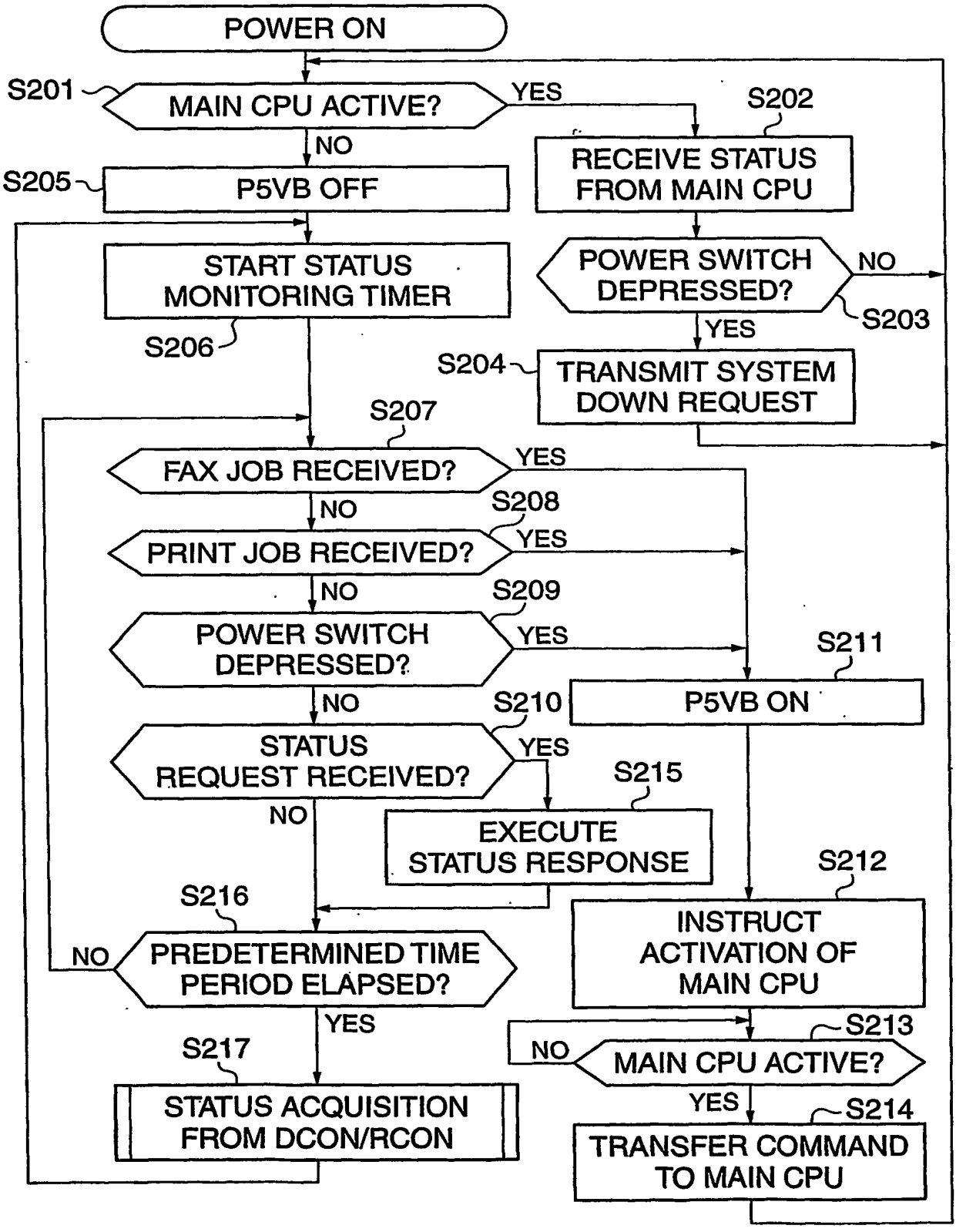

POWER ON
S201
MAIN CPU ACTIVE?
YES
NO
S202
RECEIVE STATUS FROM MAIN CPU
S205
P5VB OFF
START STATUS MONITORING TIMER
S206
POWER SWITCH DEPRESSED?
NO
S203
YES
S204
TRANSMIT SYSTEM DOWN REQUEST
S207
FAX JOB RECEIVED?
YES
NO
S208
PRINT JOB RECEIVED?
YES
NO
S209
POWER SWITCH DEPRESSED?
YES
S211
P5VB ON
NO
S210
STATUS REQUEST RECEIVED?
YES
S215
NO
EXECUTE STATUS RESPONSE
S212
S216
INSTRUCT ACTIVATION OF MAIN CPU
NO
PREDETERMINED TIME PERIOD ELAPSED?
YES
S213
NO
MAIN CPU ACTIVE?
S217
YES
S214
STATUS ACQUISITION FROM DCON/RCON
TRANSFER COMMAND TO MAIN CPU

FIG. 12A

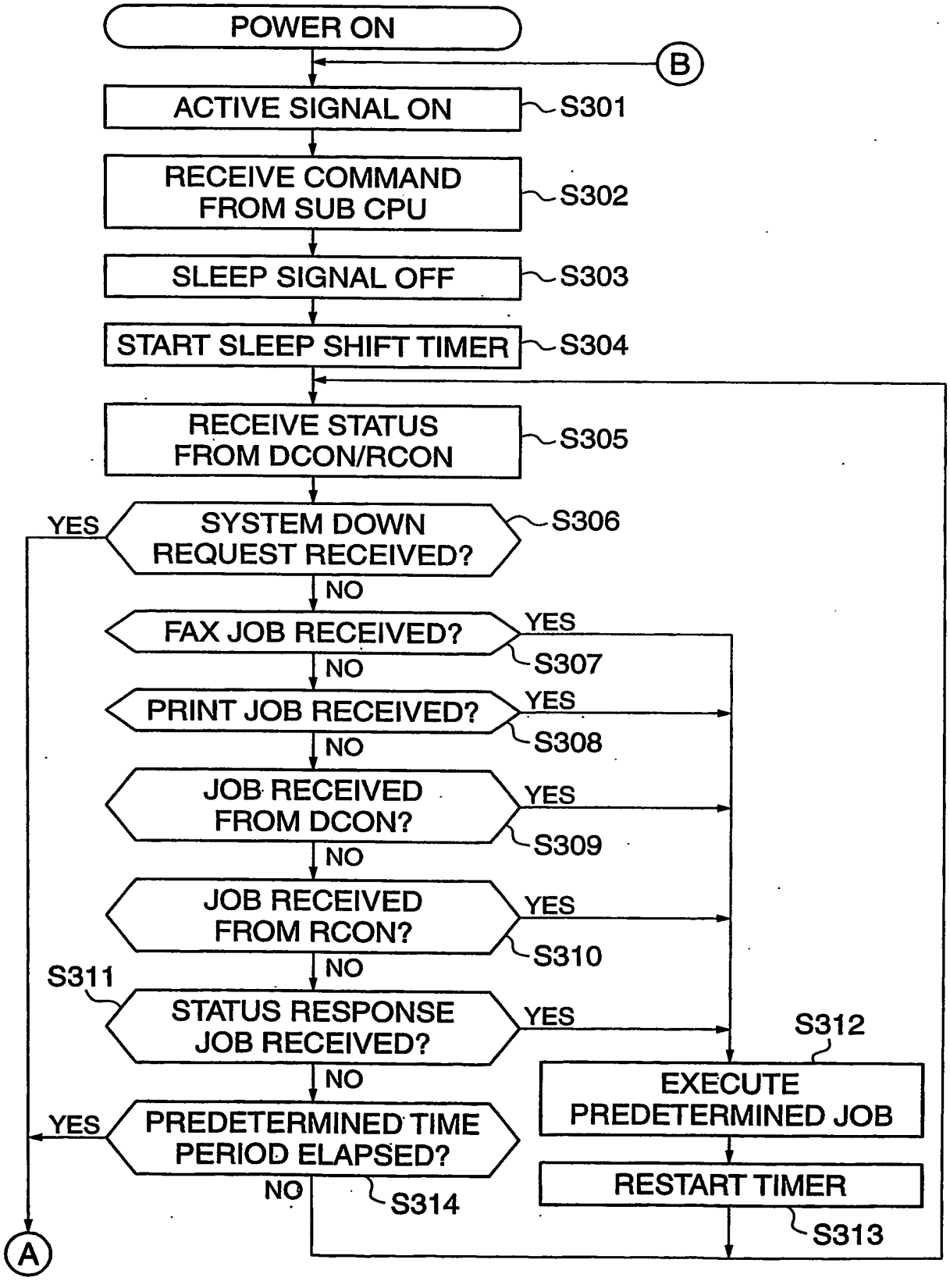

POWER ON
B
ACTIVE SIGNAL ON
S301
RECEIVE COMMAND FROM SUB CPU
S302
SLEEP SIGNAL OFF
S303
START SLEEP SHIFT TIMER
S304
RECEIVE STATUS FROM DCON/RCON
S305
YES
SYSTEM DOWN REQUEST RECEIVED?
S306
NO
FAX JOB RECEIVED?
YES
S307
NO
PRINT JOB RECEIVED?
YES
S308
NO
JOB RECEIVED FROM DCON?
YES
S309
NO
JOB RECEIVED FROM RCON?
YES
S310
NO
S311
STATUS RESPONSE JOB RECEIVED?
YES
S312
NO
EXECUTE PREDETERMINED JOB
YES
PREDETERMINED TIME PERIOD ELAPSED?
NO
S314
RESTART TIMER
S313
A

FIG. 12B

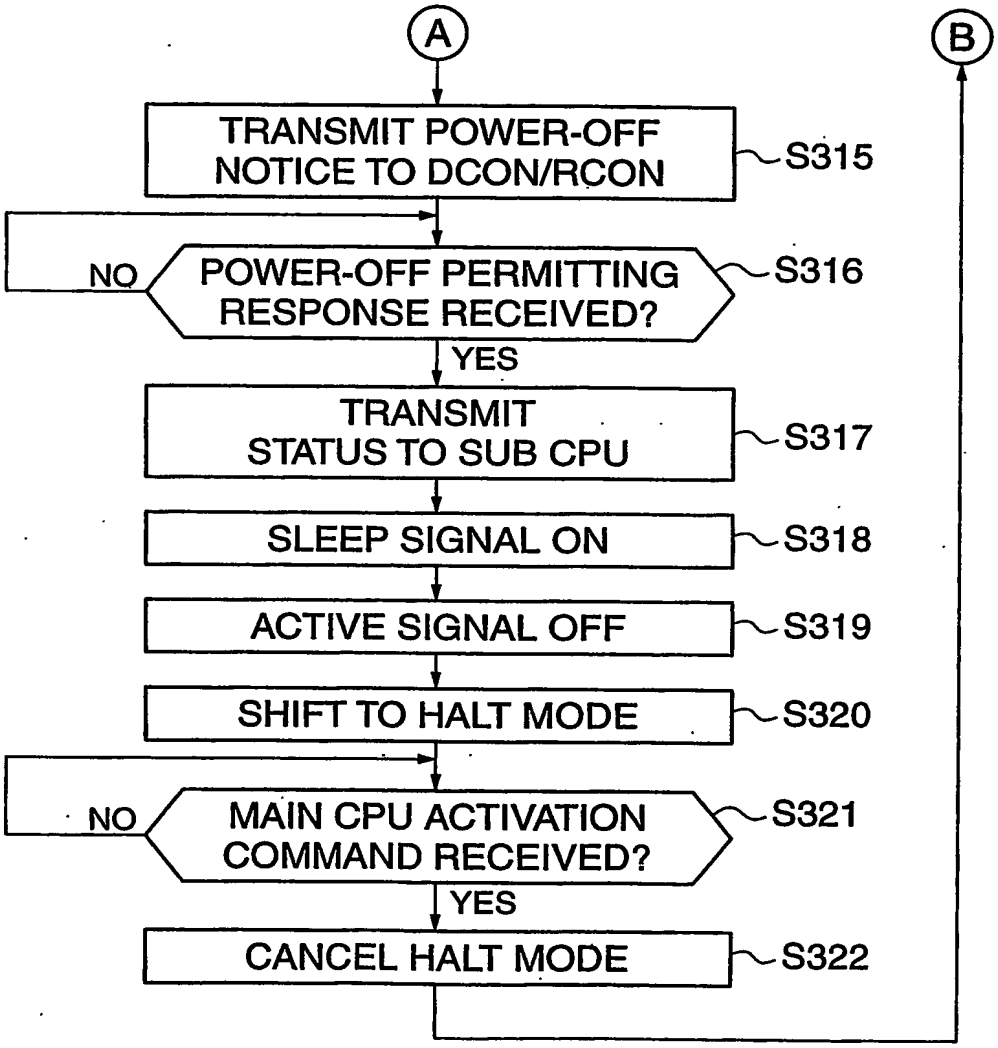

A
B
TRANSMIT POWER-OFF NOTICE TO DCON/RCON
S315
NO
POWER-OFF PERMITTING RESPONSE RECEIVED?
S316
YES
TRANSMIT STATUS TO SUB CPU
S317
SLEEP SIGNAL ON
S318
ACTIVE SIGNAL OFF
S319
SHIFT TO HALT MODE
S320
NO
MAIN CPU ACTIVATION COMMAND RECEIVED?
S321
YES
CANCEL HALT MODE
S322

FIG. 13A

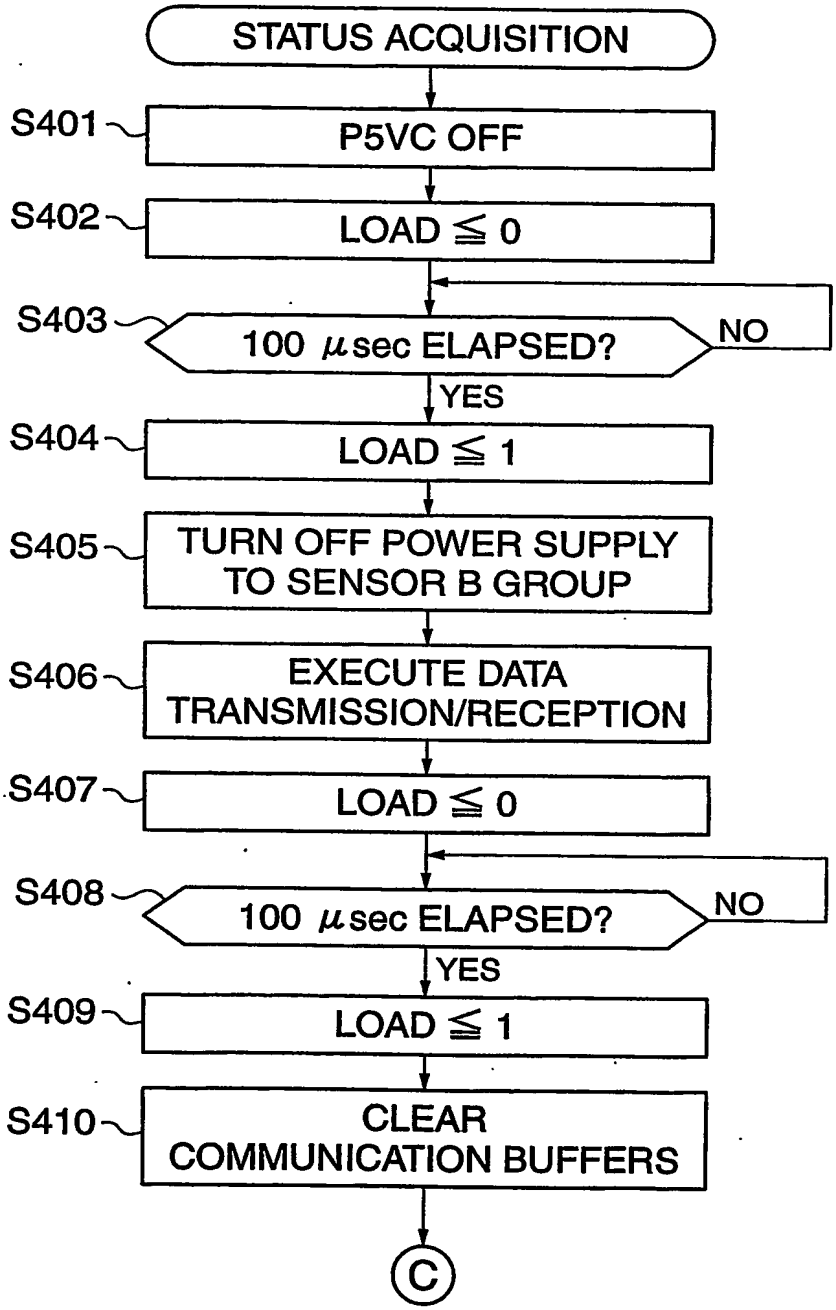

STATUS ACQUISITION
S401
P5VC OFF
S402
LOAD ≦ 0
S403
100 μsec ELAPSED?
NO
YES
S404
LOAD ≦ 1
S405
TURN OFF POWER SUPPLY TO SENSOR B GROUP
S406
EXECUTE DATA TRANSMISSION/RECEPTION
S407
LOAD ≦ 0
S408
100 μsec ELAPSED?
NO
YES
S409
LOAD ≦ 1
S410
CLEAR COMMUNICATION BUFFERS
C

FIG. 13B

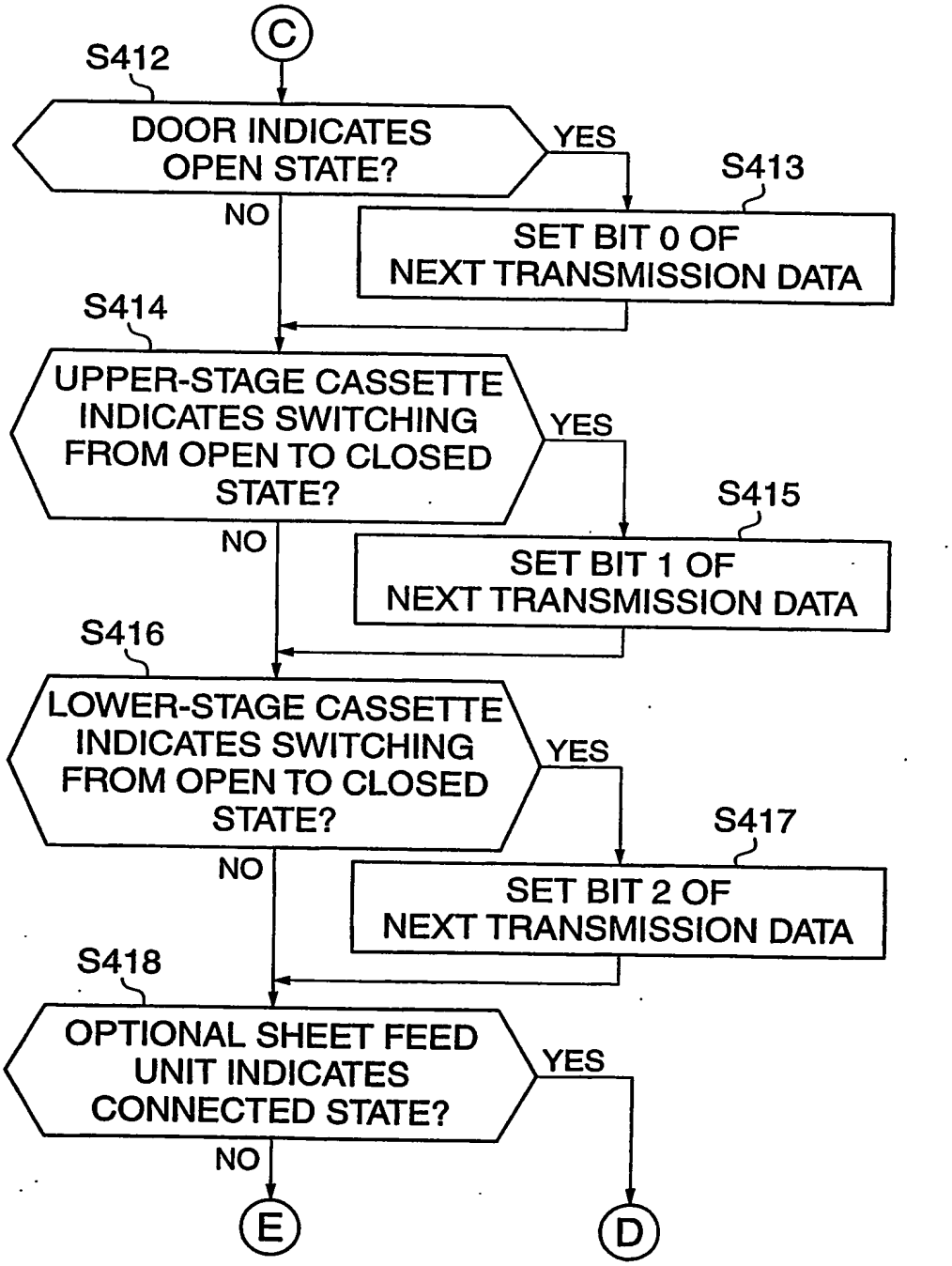

C
S412
DOOR INDICATES OPEN STATE?
YES
S413
SET BIT 0 OF NEXT TRANSMISSION DATA
NO
S414
UPPER-STAGE CASSETTE INDICATES SWITCHING FROM OPEN TO CLOSED STATE?
YES
S415
SET BIT 1 OF NEXT TRANSMISSION DATA
NO
S416
LOWER-STAGE CASSETTE INDICATES SWITCHING FROM OPEN TO CLOSED STATE?
YES
S417
SET BIT 2 OF NEXT TRANSMISSION DATA
NO
S418
OPTIONAL SHEET FEED UNIT INDICATES CONNECTED STATE?
YES
NO
E
D

FIG. 14A

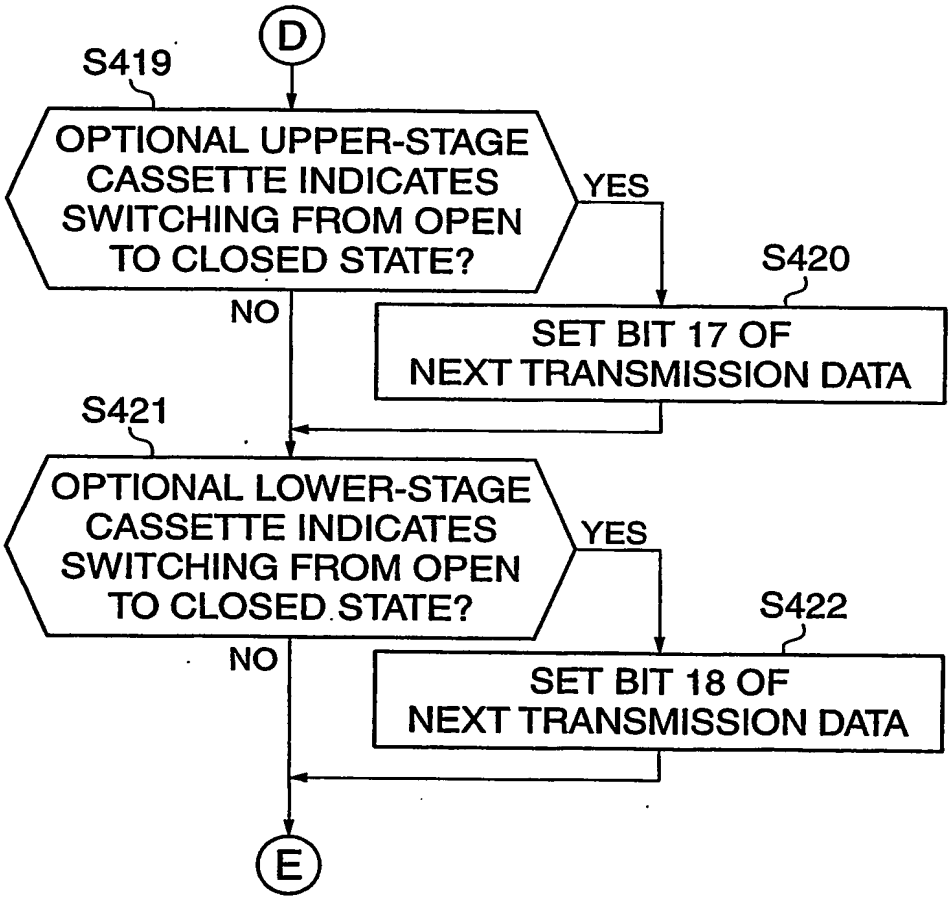

D
S419
OPTIONAL UPPER-STAGE CASSETTE INDICATES SWITCHING FROM OPEN TO CLOSED STATE?
YES
NO
S420
SET BIT 17 OF NEXT TRANSMISSION DATA
S421
OPTIONAL LOWER-STAGE CASSETTE INDICATES SWITCHING FROM OPEN TO CLOSED STATE?
YES
NO
S422
SET BIT 18 OF NEXT TRANSMISSION DATA
E

FIG. 14B

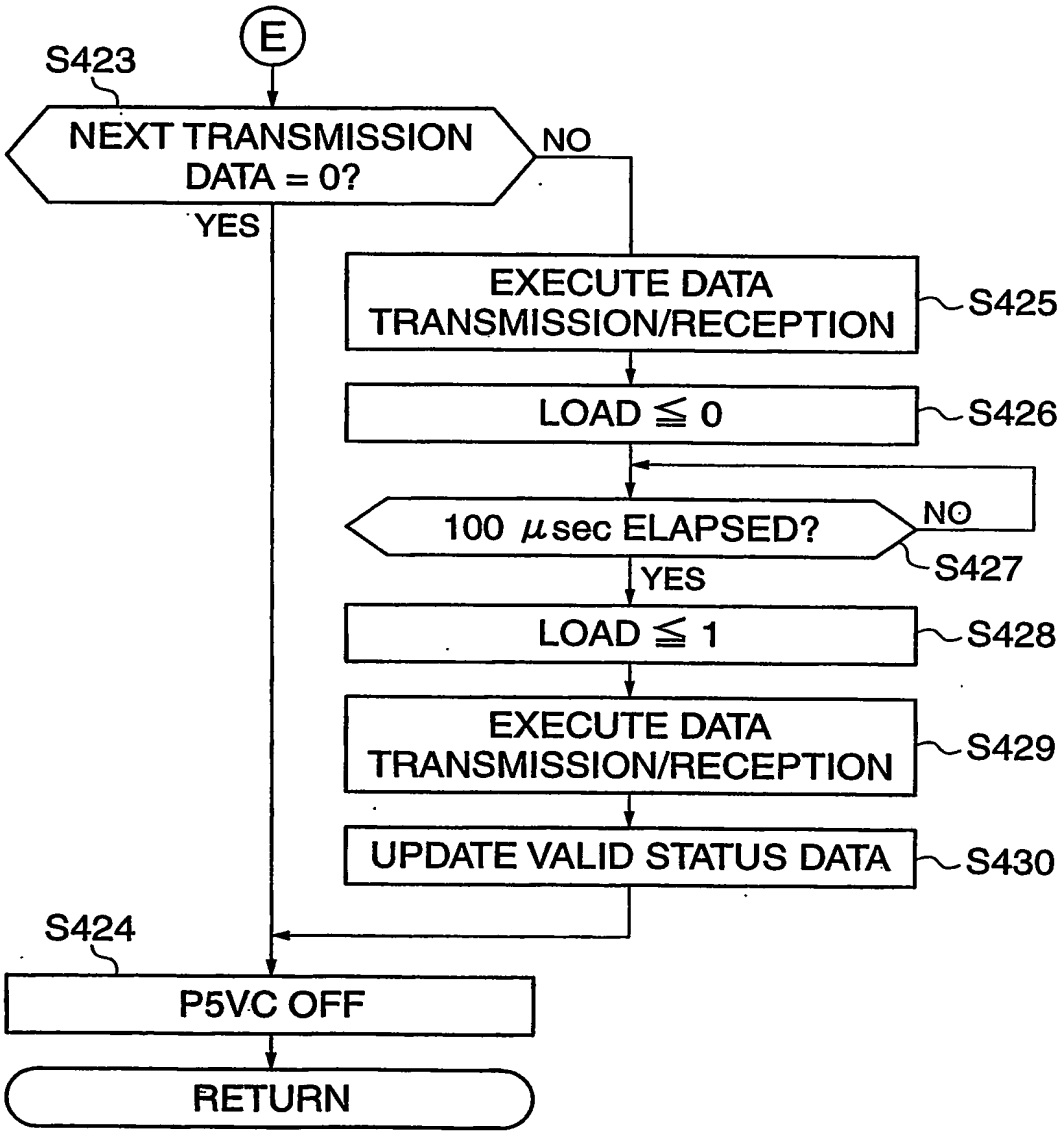

E
S423
NEXT TRANSMISSION DATA = 0?
NO
YES
EXECUTE DATA TRANSMISSION/RECEPTION
S425
LOAD ≦ 0
S426
100 μsec ELAPSED?
NO
S427
YES
LOAD ≦ 1
S428
EXECUTE DATA TRANSMISSION/RECEPTION
S429
UPDATE VALID STATUS DATA
S430
S424
P5VC OFF
RETURN

FIG. 15

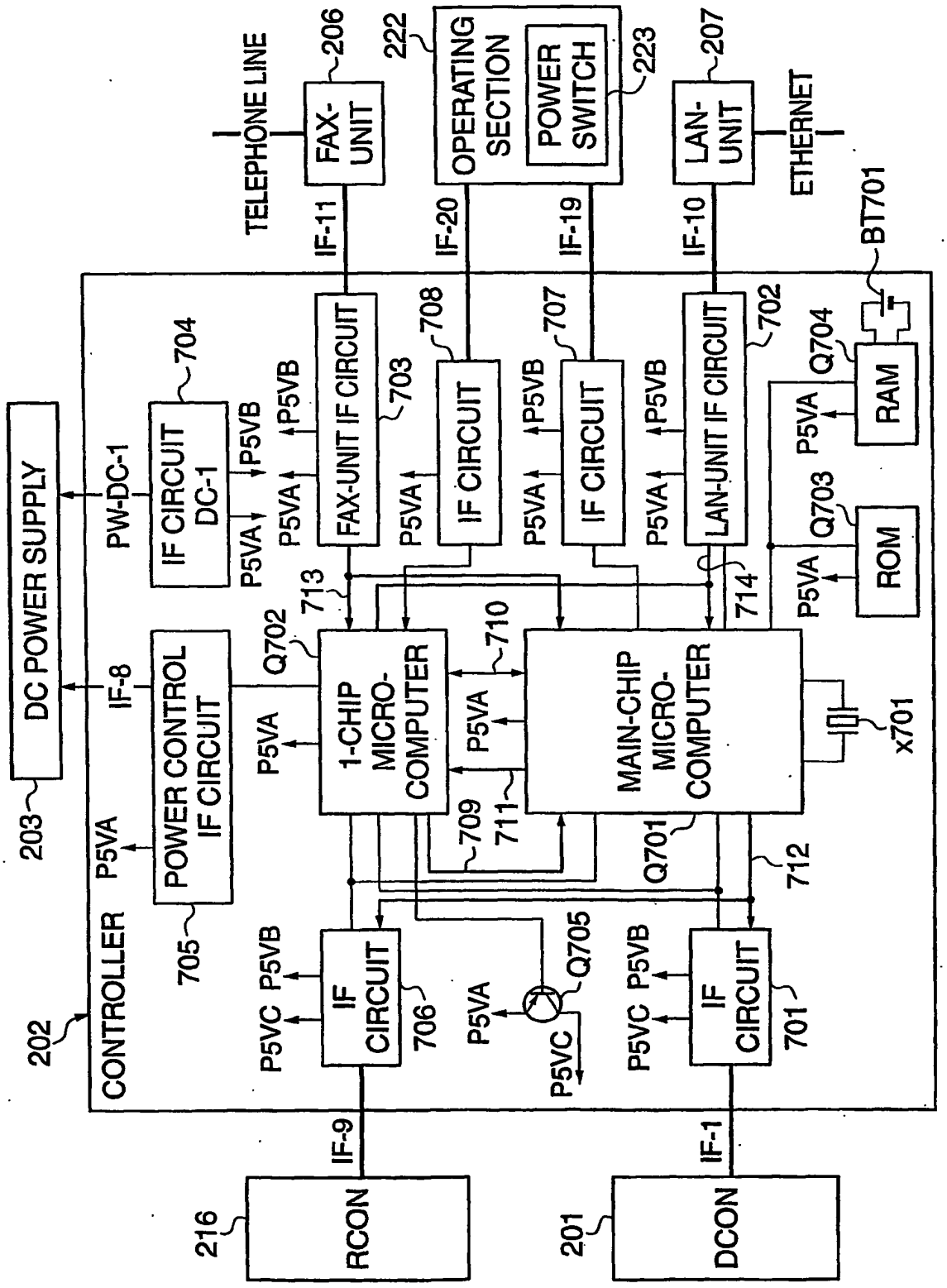

TELEPHONE LINE
FAX-UNIT
206
222
OPERATING SECTION
POWER SWITCH
223
LAN-UNIT
207
ETHERNET
BT701
IF-11
IF-20
IF-19
IF-10
DC POWER SUPPLY
203
PW-DC-1
IF CIRCUIT DC-1
704
P5VB
P5VA
FAX-UNIT IF CIRCUIT
703
708
IF CIRCUIT
707
IF CIRCUIT
LAN-UNIT IF CIRCUIT
702
Q704
RAM
Q703
ROM
713
714
IF-8
POWER CONTROL IF CIRCUIT
Q702
1-CHIP MICRO-COMPUTER
710
MAIN-CHIP MICRO-COMPUTER
x701
709
711
Q701
712
705
CONTROLLER
202
P5VC
IF CIRCUIT
706
Q705
701
IF-9
IF-1
216
RCON
201
DCON

FIG. 16

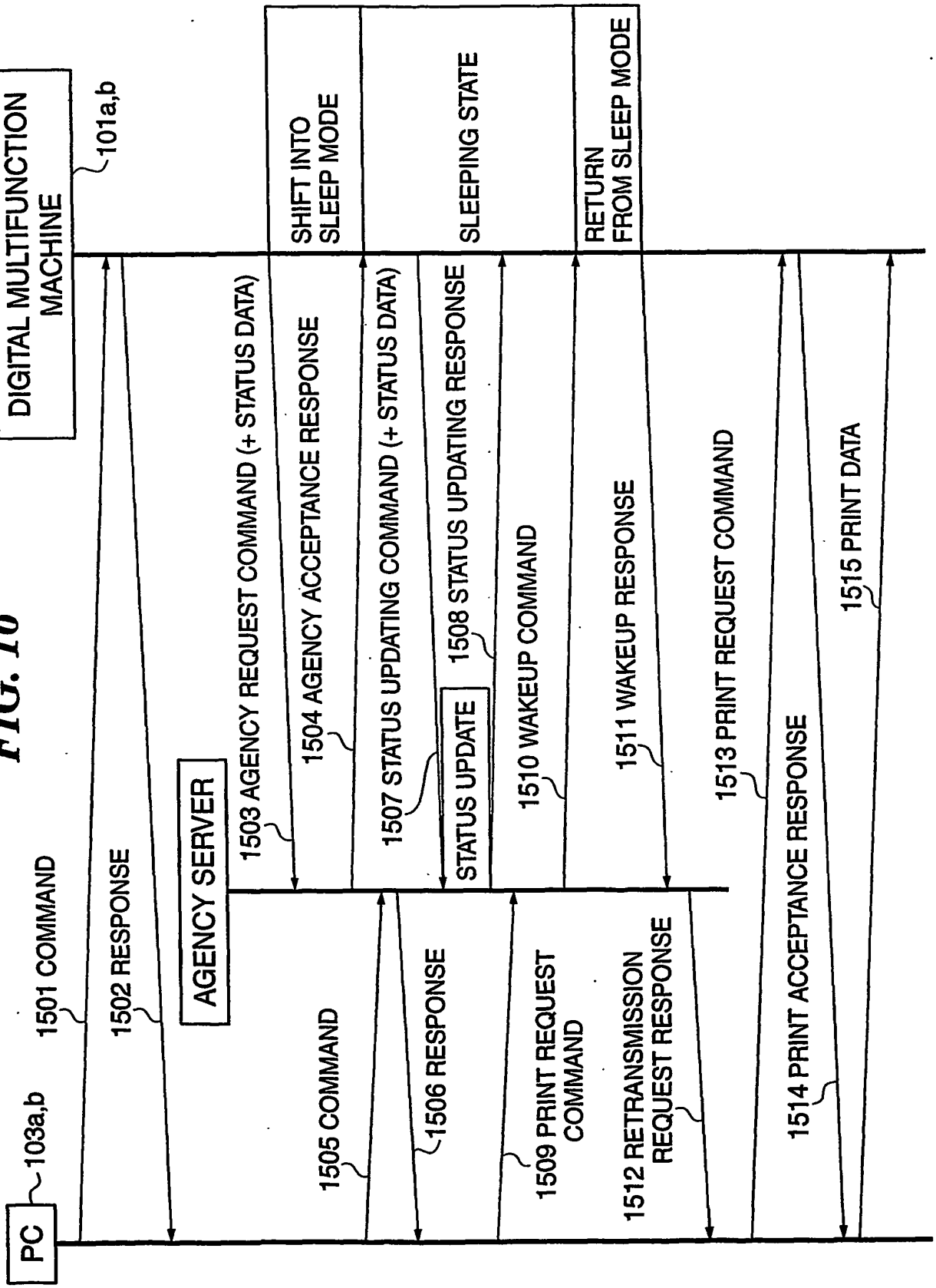

PC
103a,b
DIGITAL MULTIFUNCTION MACHINE
101a,b
AGENCY SERVER
SHIFT INTO SLEEP MODE
SLEEPING STATE
RETURN FROM SLEEP MODE
1501 COMMAND
1502 RESPONSE
1503 AGENCY REQUEST COMMAND (+ STATUS DATA)
1504 AGENCY ACCEPTANCE RESPONSE
1505 COMMAND
1506 RESPONSE
1507 STATUS UPDATING COMMAND (+ STATUS DATA)
STATUS UPDATE
1508 STATUS UPDATING RESPONSE
1509 PRINT REQUEST COMMAND
1510 WAKEUP COMMAND
1511 WAKEUP RESPONSE
1512 RETRANSMISSION REQUEST RESPONSE
1513 PRINT REQUEST COMMAND
1514 PRINT ACCEPTANCE RESPONSE
1515 PRINT DATA

FIG. 17

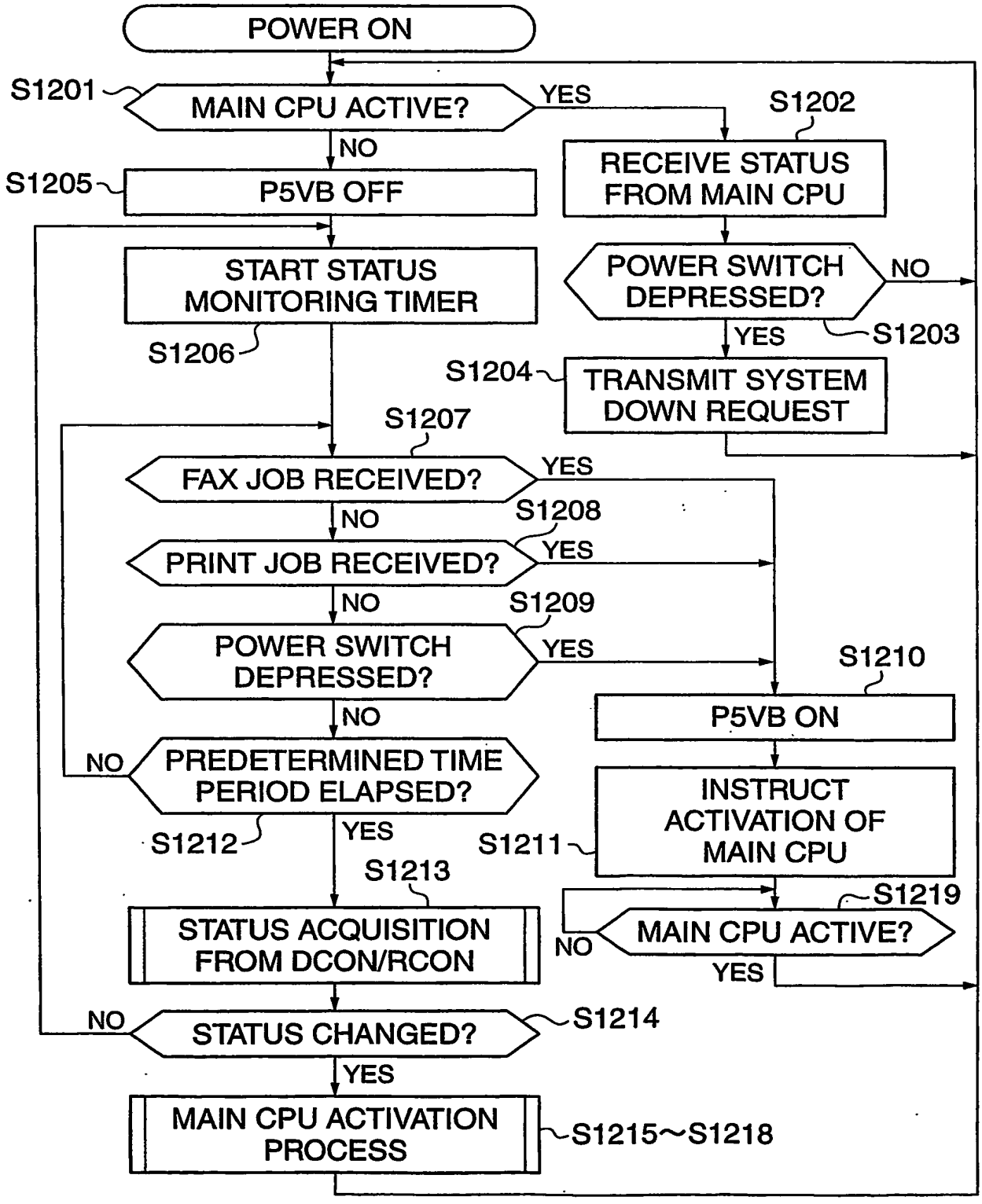

POWER ON
S1201
MAIN CPU ACTIVE?
YES
S1202
RECEIVE STATUS FROM MAIN CPU
NO
S1205
P5VB OFF
START STATUS MONITORING TIMER
S1206
POWER SWITCH DEPRESSED?
NO
YES
S1203
S1204
TRANSMIT SYSTEM DOWN REQUEST
S1207
FAX JOB RECEIVED?
YES
NO
S1208
PRINT JOB RECEIVED?
YES
NO
S1209
POWER SWITCH DEPRESSED?
YES
S1210
P5VB ON
NO
PREDETERMINED TIME PERIOD ELAPSED?
NO
S1212
YES
S1211
INSTRUCT ACTIVATION OF MAIN CPU
S1213
S1219
STATUS ACQUISITION FROM DCON/RCON
MAIN CPU ACTIVE?
NO
YES
NO
STATUS CHANGED?
S1214
YES
MAIN CPU ACTIVATION PROCESS
S1215~S1218

FIG. 18

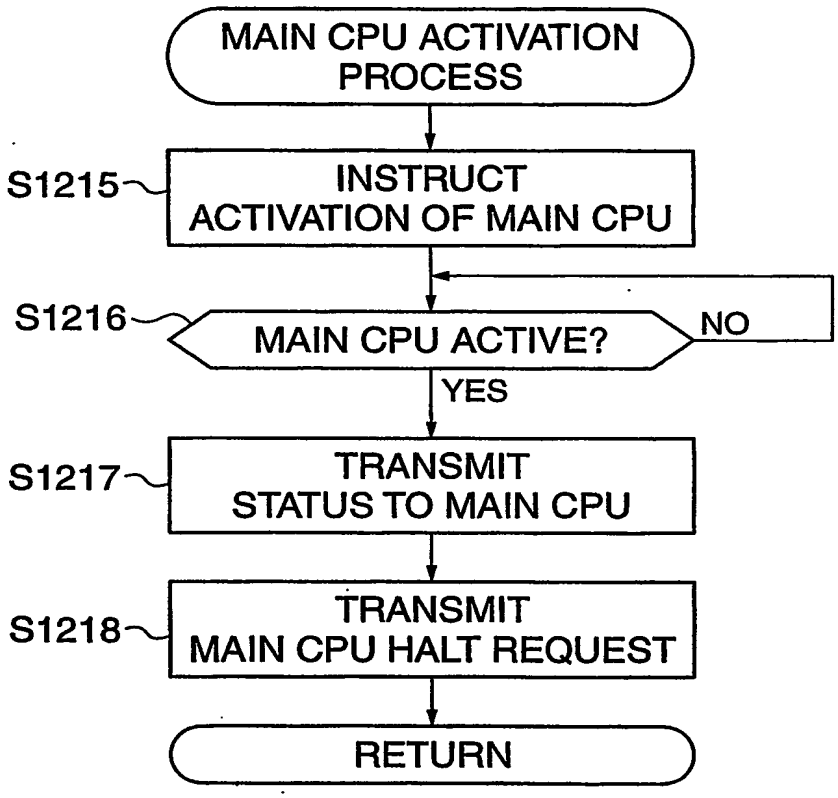

MAIN CPU ACTIVATION PROCESS
S1215
INSTRUCT ACTIVATION OF MAIN CPU
S1216
MAIN CPU ACTIVE?
NO
YES
S1217
TRANSMIT STATUS TO MAIN CPU
S1218
TRANSMIT MAIN CPU HALT REQUEST
RETURN

FIG. 19A

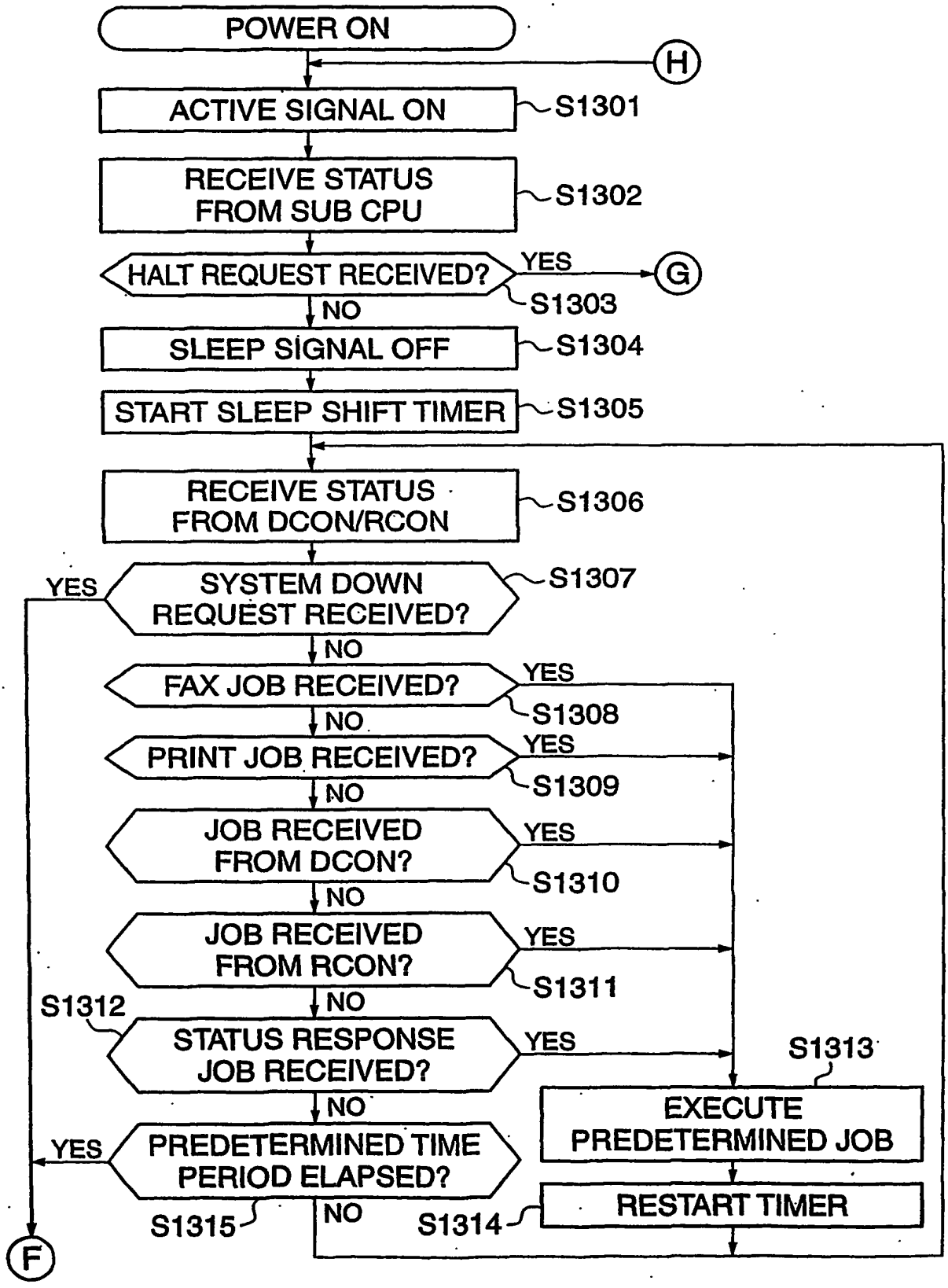

POWER ON
H
ACTIVE SIGNAL ON
S1301
RECEIVE STATUS FROM SUB CPU
S1302
HALT REQUEST RECEIVED?
YES
G
S1303
NO
SLEEP SIGNAL OFF
S1304
START SLEEP SHIFT TIMER
S1305
RECEIVE STATUS FROM DCON/RCON
S1306
YES
SYSTEM DOWN REQUEST RECEIVED?
S1307
NO
FAX JOB RECEIVED?
YES
S1308
NO
PRINT JOB RECEIVED?
YES
S1309
NO
JOB RECEIVED FROM DCON?
YES
S1310
NO
JOB RECEIVED FROM RCON?
YES
S1311
S1312
NO
STATUS RESPONSE JOB RECEIVED?
YES
S1313
NO
EXECUTE PREDETERMINED JOB
YES
PREDETERMINED TIME PERIOD ELAPSED?
RESTART TIMER
S1315
NO
S1314
F

FIG. 19B

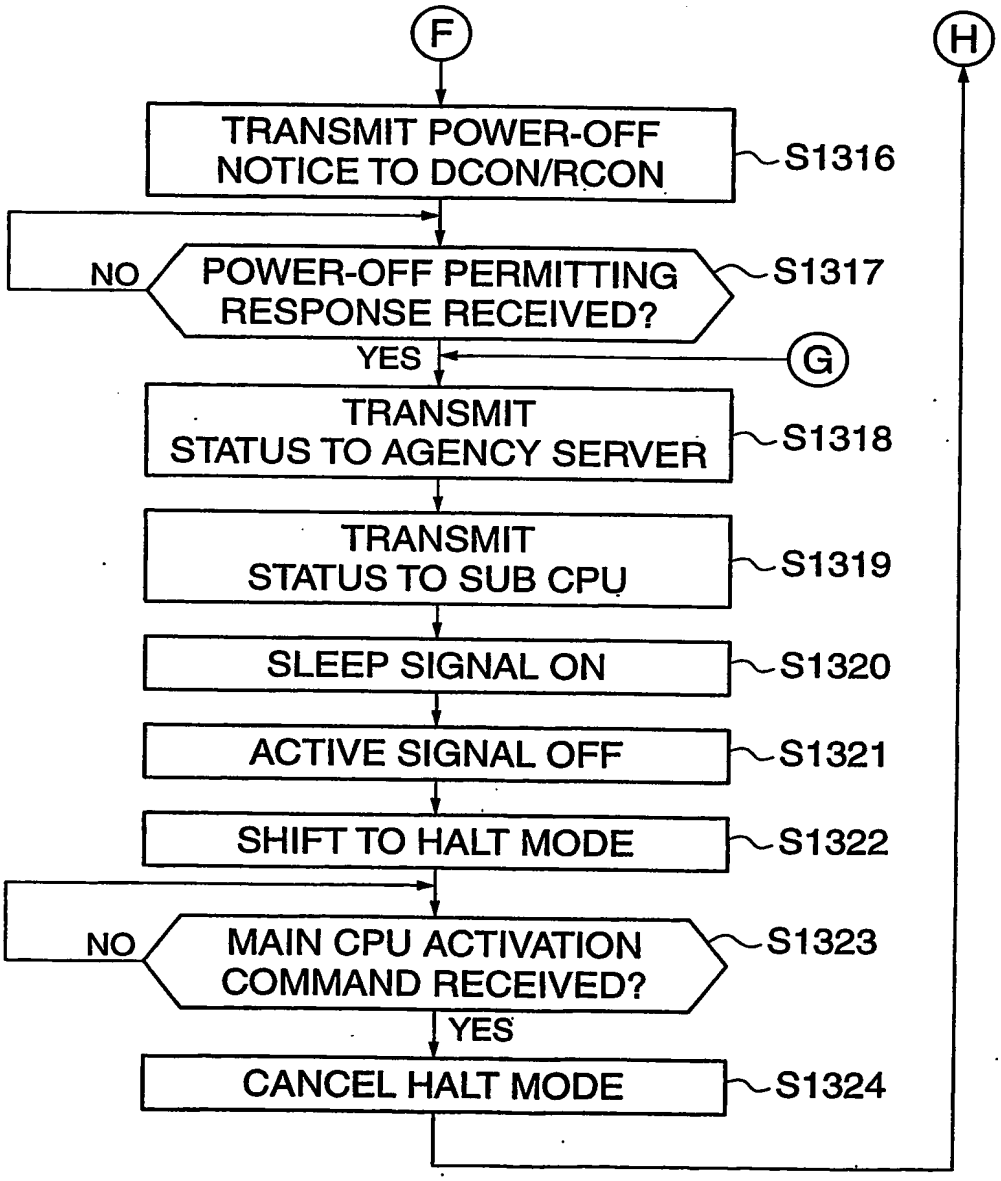

F
H
TRANSMIT POWER-OFF NOTICE TO DCON/RCON
S1316
NO
POWER-OFF PERMITTING RESPONSE RECEIVED?
S1317
YES
G
TRANSMIT STATUS TO AGENCY SERVER
S1318
TRANSMIT STATUS TO SUB CPU
S1319
SLEEP SIGNAL ON
S1320
ACTIVE SIGNAL OFF
S1321
SHIFT TO HALT MODE
S1322
NO
MAIN CPU ACTIVATION COMMAND RECEIVED?
S1323
YES
CANCEL HALT MODE
S1324

FIG. 20A

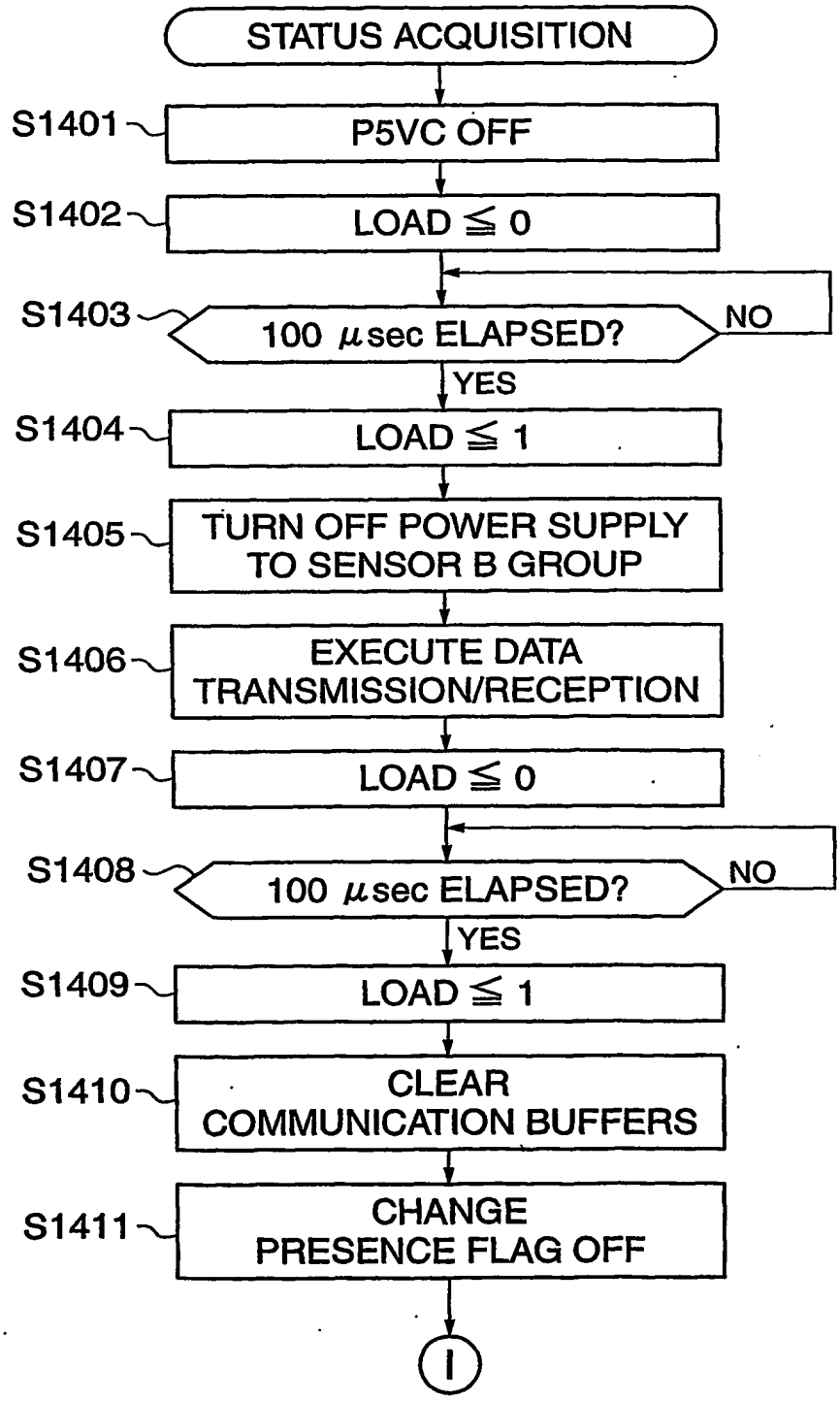

STATUS ACQUISITION
S1401
P5VC OFF
S1402
LOAD ≦ 0
S1403
100 μsec ELAPSED?
NO
YES
S1404
LOAD ≦ 1
S1405
TURN OFF POWER SUPPLY TO SENSOR B GROUP
S1406
EXECUTE DATA TRANSMISSION/RECEPTION
S1407
LOAD ≦ 0
S1408
100 μsec ELAPSED?
NO
YES
S1409
LOAD ≦ 1
S1410
CLEAR COMMUNICATION BUFFERS
S1411
CHANGE PRESENCE FLAG OFF
I

FIG. 20B

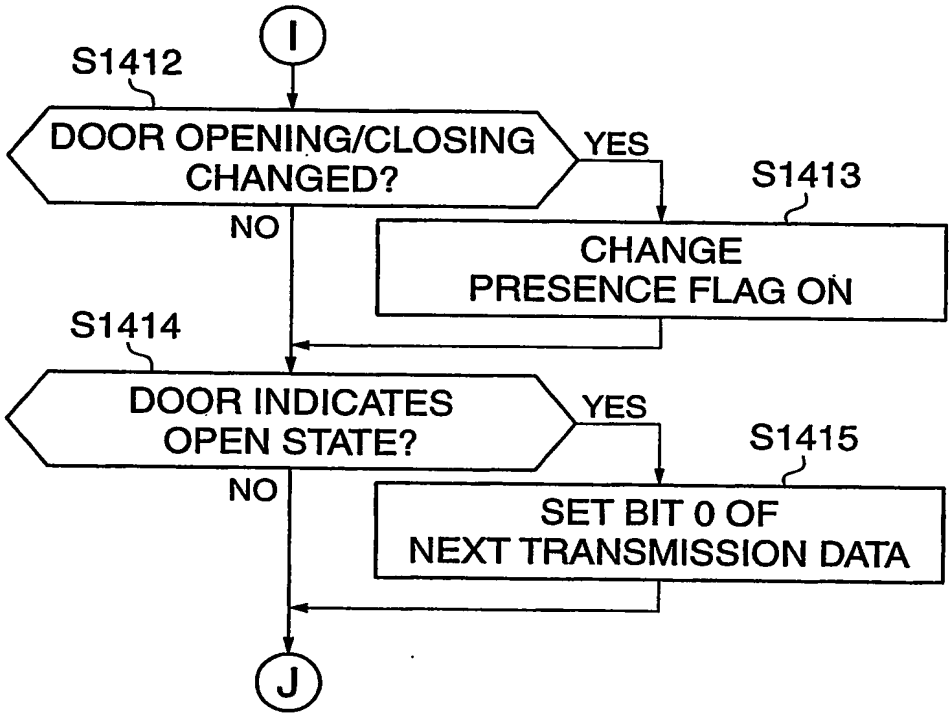

I
S1412
DOOR OPENING/CLOSING CHANGED?
YES
S1413
NO
CHANGE PRESENCE FLAG ON
S1414
DOOR INDICATES OPEN STATE?
YES
S1415
NO
SET BIT 0 OF NEXT TRANSMISSION DATA
J

FIG. 21A

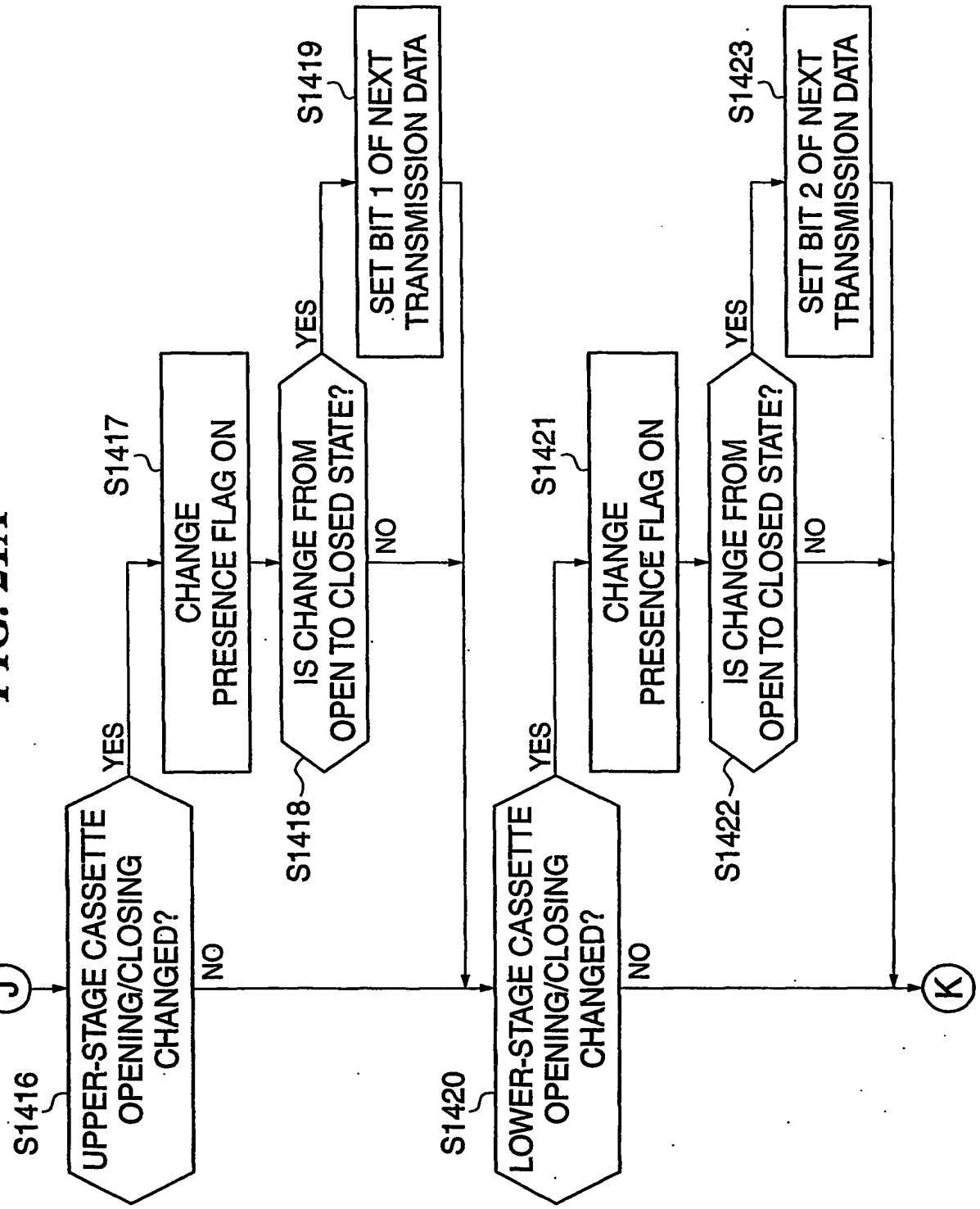

J
S1416
UPPER-STAGE CASSETTE OPENING/CLOSING CHANGED?
YES
NO
S1417
CHANGE PRESENCE FLAG ON
S1418
IS CHANGE FROM OPEN TO CLOSED STATE?
YES
NO
S1419
SET BIT 1 OF NEXT TRANSMISSION DATA
S1420
LOWER-STAGE CASSETTE OPENING/CLOSING CHANGED?
YES
NO
S1421
CHANGE PRESENCE FLAG ON
S1422
IS CHANGE FROM OPEN TO CLOSED STATE?
YES
NO
S1423
SET BIT 2 OF NEXT TRANSMISSION DATA
K

FIG. 21B

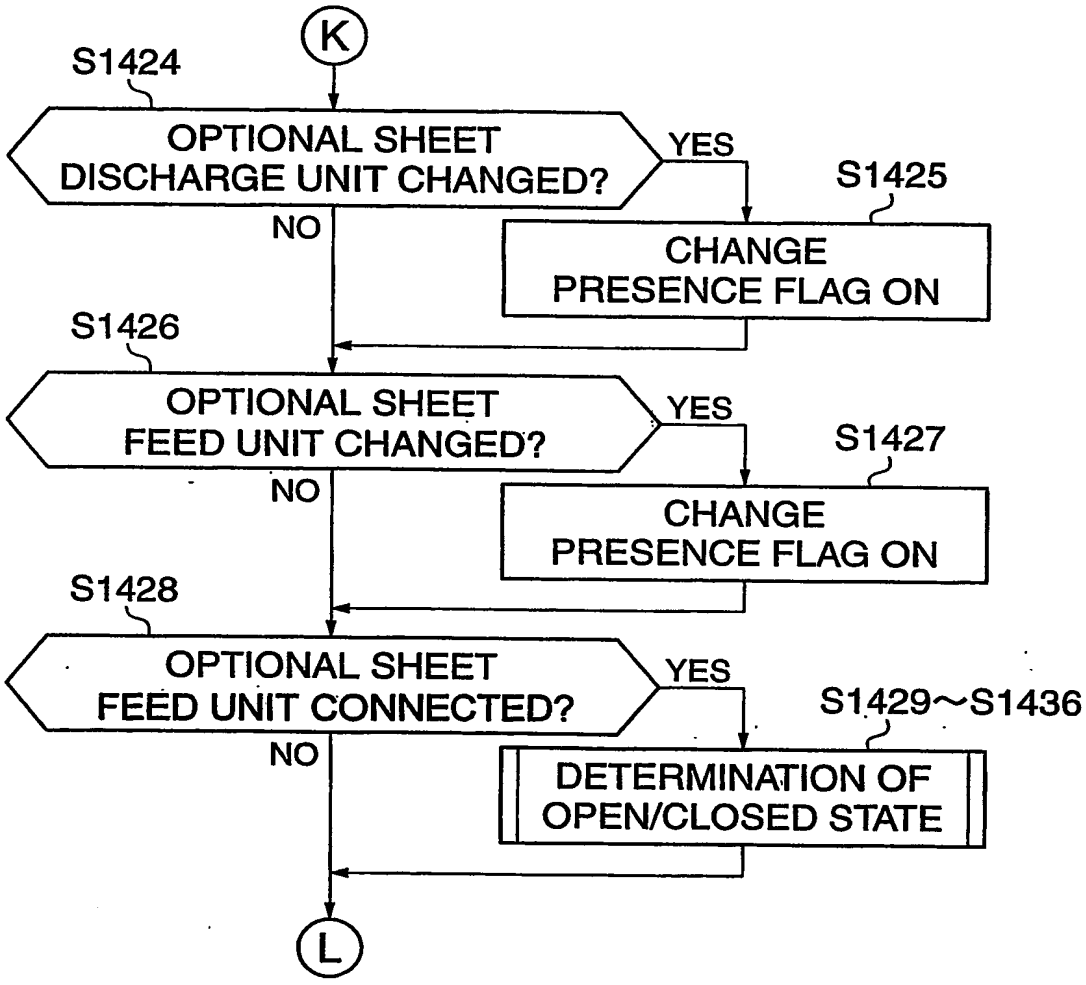

K
S1424
OPTIONAL SHEET DISCHARGE UNIT CHANGED?
YES
S1425
CHANGE PRESENCE FLAG ON
NO
S1426
OPTIONAL SHEET FEED UNIT CHANGED?
YES
S1427
CHANGE PRESENCE FLAG ON
NO
S1428
OPTIONAL SHEET FEED UNIT CONNECTED?
YES
S1429~S1436
DETERMINATION OF OPEN/CLOSED STATE
NO
L

FIG. 21C

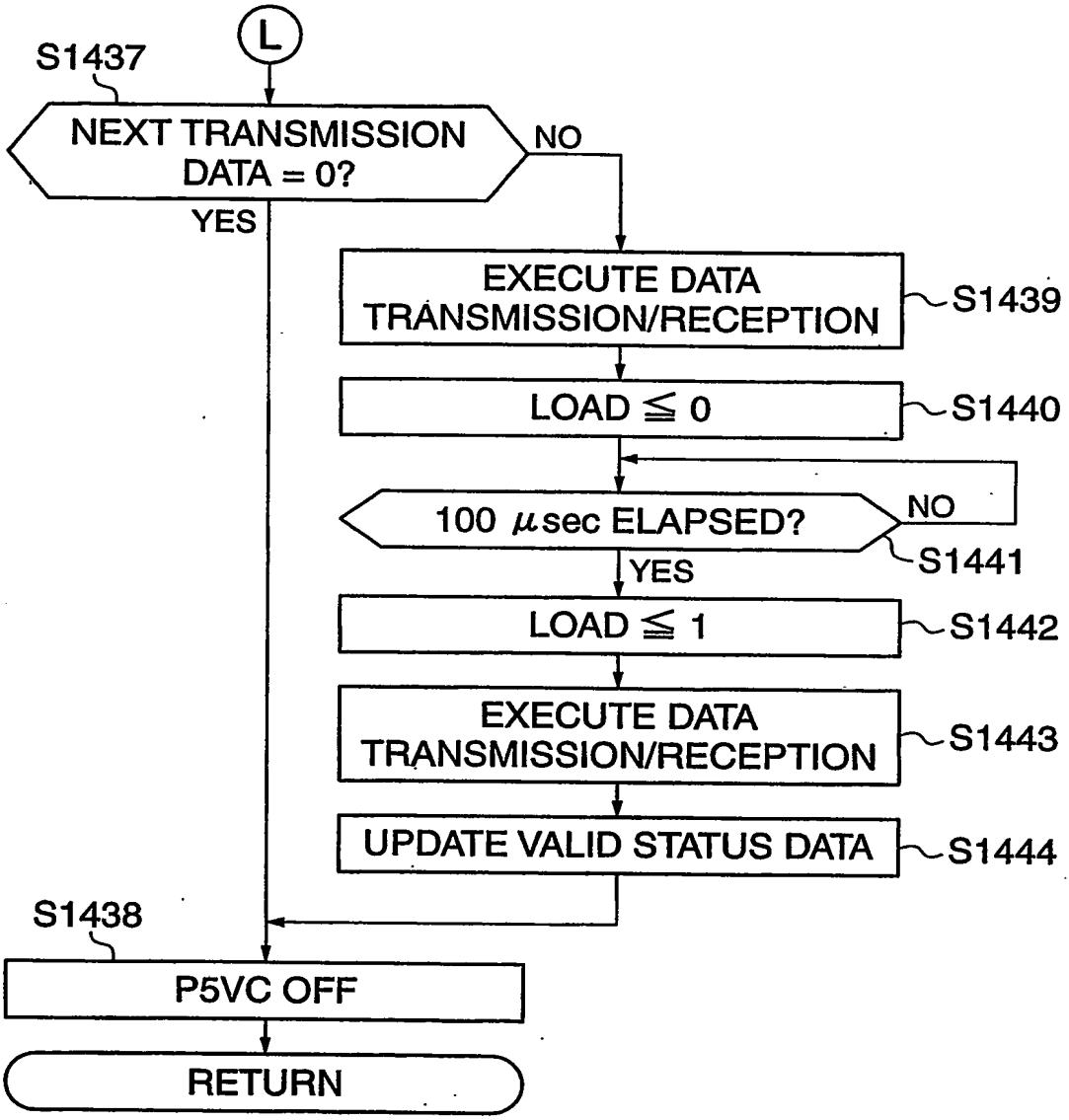

L
S1437
NEXT TRANSMISSION DATA = 0?
NO
YES
EXECUTE DATA TRANSMISSION/RECEPTION
S1439
LOAD ≦ 0
S1440
100 μsec ELAPSED?
NO
S1441
YES
LOAD ≦ 1
S1442
EXECUTE DATA TRANSMISSION/RECEPTION
S1443
UPDATE VALID STATUS DATA
S1444
S1438
P5VC OFF
RETURN

FIG. 22

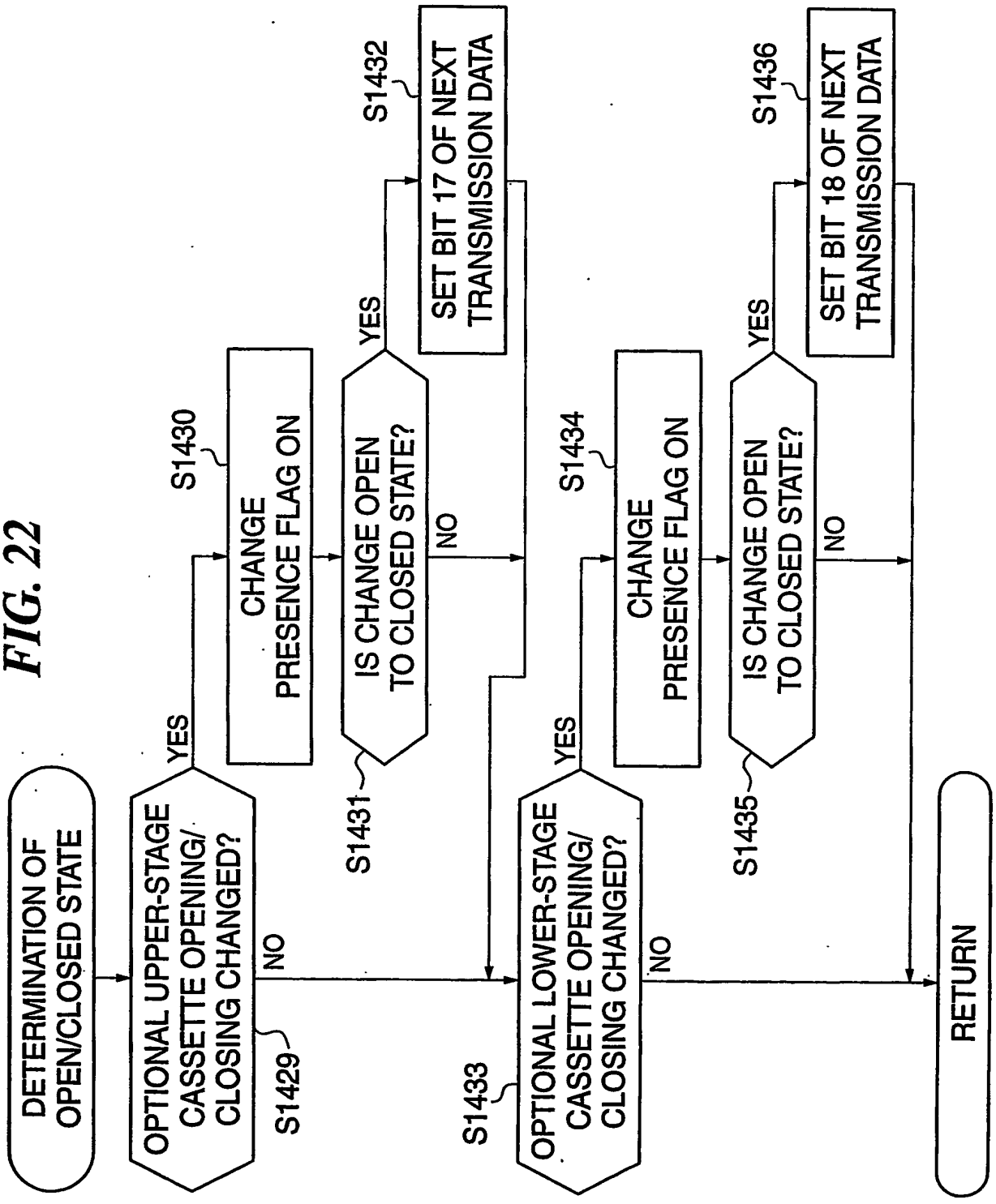
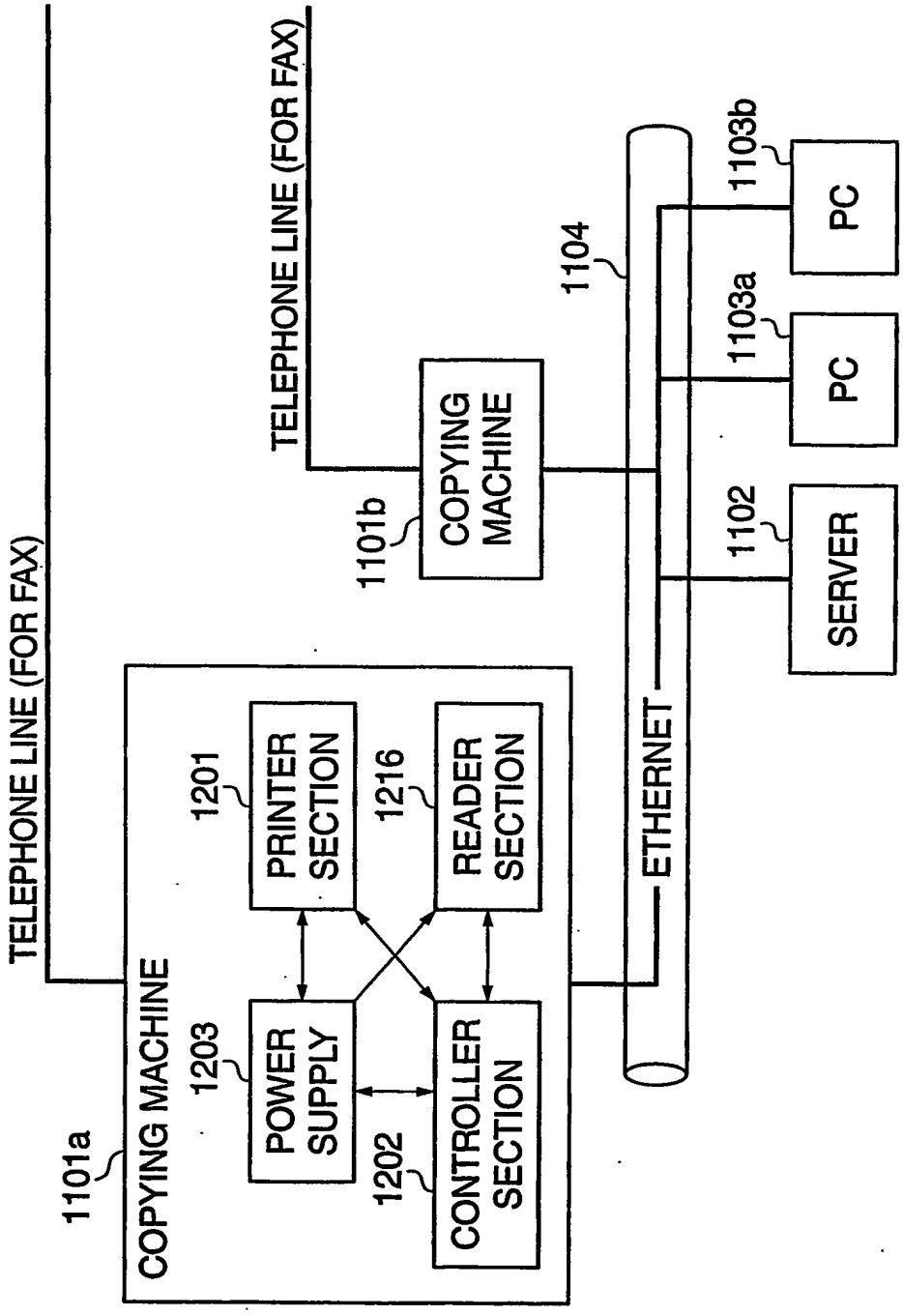

DETERMINATION OF OPEN/CLOSED STATE
OPTIONAL UPPER-STAGE CASSETTE OPENING/ CLOSING CHANGED?
YES
NO
S1429
S1430
CHANGE PRESENCE FLAG ON
IS CHANGE OPEN TO CLOSED STATE?
S1431
YES
NO
S1432
SET BIT 17 OF NEXT TRANSMISSION DATA
S1433
OPTIONAL LOWER-STAGE CASSETTE OPENING/ CLOSING CHANGED?
YES
NO
S1434
CHANGE PRESENCE FLAG ON
IS CHANGE OPEN TO CLOSED STATE?
S1435
YES
NO
S1436
SET BIT 18 OF NEXT TRANSMISSION DATA
RETURN

FIG. 23

STORAGE MEDIUM (FD, CD-ROM, etc.)

DIRECTORY INFORMATION
FIRST DATA PROCESSING PROGRAM PROGRAM CODE GROUP CORRESPONDING TO FLOWCHART IN FIG. 11
SECOND DATA PROCESSING PROGRAM PROGRAM CODE GROUP CORRESPONDING TO FLOWCHART IN FIG. 12A,12B
THIRD DATA PROCESSING PROGRAM PROGRAM CODE GROUP CORRESPONDING TO FLOWCHART IN FIGS. 13A,13B,14A,14B
FOURTH DATA PROCESSING PROGRAM PROGRAM CODE GROUP CORRESPONDING TO FLOWCHART IN FIGS. 17, 18
FIFTH DATA DATA PROCESSING PROGRAM PROGRAM CODE GROUP CORRESPONDING TO FLOWCHART IN FIG. 19A,19B
SIXTH DATA PROCESSING PROGRAM PROGRAM CODE GROUP CORRESPONDING TO FLOWCHART IN FIGS. 20A TO 22

FIG. 24


TELEPHONE LINE (FOR FAX)
TELEPHONE LINE (FOR FAX)
1101a
COPYING MACHINE
1201
PRINTER SECTION
1216
READER SECTION
1203
POWER SUPPLY
1202
CONTROLLER SECTION
1101b
COPYING MACHINE
1104
ETHERNET
1102
SERVER
1103a
PC
1103b
PC